

MSC-02576



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

EARTH RESOURCES  
RESEARCH DATA FACILITY  
INDEX

(THIS ISSUE SUPERSEDES  
ALL PREVIOUS ISSUES)

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FACILITY FORM 602

(ACCESSION NUMBER)

419

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G3

(PAGES)

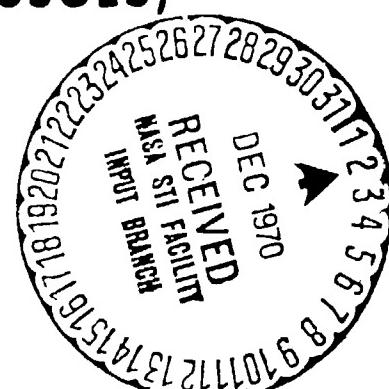
(CODE)

TMX-66487

13

(CATEGORY)

(NASA CR OR TMX OR AD NUMBER)



MANNED SPACECRAFT CENTER

HOUSTON, TEXAS

JULY 1970



## PREFACE

This document is the cumulative issue of the Earth Resources Research Data Facility (ERRDF) Index. The next cumulative issue will be published in December 1970.

This document lists all Earth Resources Program information and related data that is available at the National Aeronautics and Space Administration's Manned Spacecraft Center. Included in the Index are data collected during flights over test sites and from studies made by investigators supporting the Earth Resources Survey Program.

The information cataloged in this document is divided into four major categories as follows:

1. Technical documents and maps
2. Functional and check out data
3. Imagery data
4. Electronic data

The method for assigning accession numbers to the technical data is shown on the following pages. All requests for information concerning this Index should be directed to:

Edward O. Zeitler  
Earth Resources Research Data Facility/TF12  
National Aeronautics and Space Administration  
Manned Spacecraft Center  
Houston, Texas 77058

## EDITOR'S NOTES

The ERRDF at the Manned Spacecraft Center has arranged for users to visit the facility or order the desired information by written requests. The facility is open to all persons interested in reviewing data listed in the Index. Although the facility does not function as a lending or distributive source, personnel are available to assist the visitor in determining where he may purchase desired data. If you are unable to visit the facility, you may purchase documents (\$3.00 for hard copy and \$0.65 on microfiche) listed in the index in categories 05, 07, 08, and 09 from:

Clearinghouse for Federal Scientific  
and Technical Information  
Port Royal Road  
Springfield, Virginia 22151

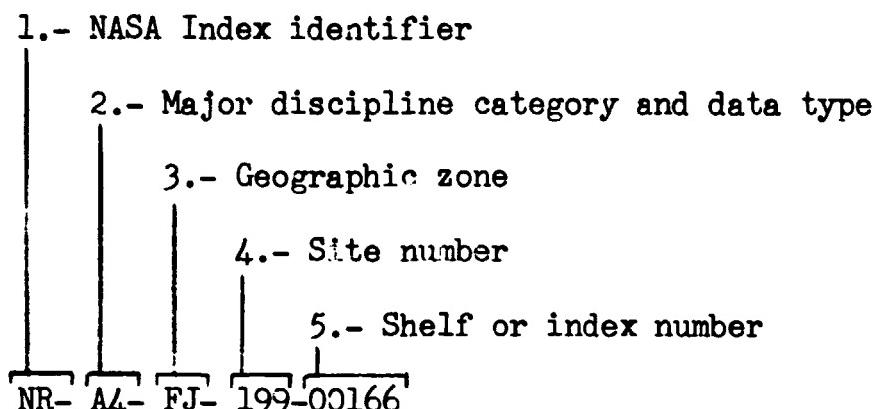
Gemini and Apollo photographs of the earth may be purchased from:

Technology Application Center  
University of New Mexico  
Albuquerque, New Mexico 87106

Plans are being finalized to enable the Data Facility to sell film data resulting from the aircraft missions.

Visitors to the facility are registered at the receiving desk as to name, organization, and principal subject interest. An index of information is available for examination in the ERRDF or through written requests. For convenience, data types bearing similar relationships are grouped together in the index.

Each data item in the Earth Resources Research Data Facility (ERRDF) has its own accession number which can be used in requesting data from the index. The accession number is structured to yield such information as major subject or discipline, specific data type, geographic location, site number, and the shelf or index number. This number identifies each unit of data for retrieving data requested from the files. An example of an accession number and its elements is shown in the following figure.



1. NR

The first field of the accession number is a double letter code which distinguishes this index (Natural Resources) from other NASA indexes.

2. Major discipline and data type

The second field contains a double-digit code which identifies the specific data type under consideration. Documentary data is denoted by an upper case alpha plus the numeric. Other data types (imagery and nonimageries et cetera) are indicated by a double numeric.

In the case of documentary information, the first alpha digit identifies nine major subject categories as shown below:

- A - Agriculture
- B - Cartography
- C - Forestry
- D - Geography
- E - Geology
- F - Hydrology
- G - Oceanography
- H - Multi-discipline and other sciences
- P - Earth Observations Program documents

The second digit is a numeric which designates one of nine specific data types as follows:

1. Site Maps
2. Site Description
3. Mission Request
4. Mission Screening and Summary Reports
5. Technical Letter
6. Progress Report
7. Summary Report
8. Subject Related Document
9. Technical Report

In addition to the nine document data types, described above, double-digit numeric indicators have been provided for the following data types:

- 10 Inflight Records (charts, graphs, et cetera)
- 11 to 19 Reserved for future data types
- 20 to 49 Imagery data (see page v for a list of specific sensor types)
  - 50 Gemini Photography
  - 51 Apollo Photography
- 52 to 74 Reserved for spacecraft data types
- 75 Electronic Data (Magnetic Taped). See page vi for non-imaging sensors.
- 76 Processed Electronic Data

CODE 20-49 IMAGERY SENSOR DATA TYPES

<u>CODE NO.</u>	<u>SENSOR</u>
20	Multiband Camera (Itek - 9 Lens)
21	RS-14 Dual Channel IR Scanner (Texas Instruments)
22	RC-8 Camera (Wild-Heerbrugg)
23	Reconofax IV IR Scanner (HRB Singer)
24	AAS-5 UV Camera (HRB Singer)
25	Nikon Data Panel K-17 Camera (Chicago Aerial)
26	T-11 Camera (Fairchild)
27	APS Camera (Maurer)
28	IR Radiometer Scanner (Block Engineering Co.)
29	RS7 IR Scanner (Texas Instruments)
30	K-17 Metric Camera (Chicago Aerial)
31	Hasselblad Camera - 6-inch focal length
32	Reserved
33	APQ-97 SLAR (Westinghouse)
34	Reconofax IV Camera (HRB Singer)
35	Zeiss RMK 30/23 Camera - 12-inch focal length
36	Hasselblad Cluster Camera A
37	Hasselblad Cluster Camera B
38	Hasselblad Cluster Camera C
39	Hasselblad Cluster Camera D
40	Hasselblad Cluster Camera E

<u>CODE NO.</u>	<u>SENSOR</u>
41	Hasselblad Cluster Camera F
42	Reserved
43	Reserved
44	Reserved
45	DPD-2 SLAR (Philco-Ford)
46	KA-62 Cluster Camera A (Chicago Aerial)
47	KA-62 Cluster Camera B (Chicago Aerial)
48	KA-62 Cluster Camera C (Chicago Aerial)
49	KA-62 Cluster Camera D (Chicago Aerial)

#### CODE 76 NON-IMAGERY SENSOR TYPES

<u>SENSOR</u>
Liquid Water Content Indicator (Johnson-Williams Co.)
Dewpoint Hygrometer (Cambridge Systems)
Multifrequency Microwave Radiometer (MFMR) - (Space General Corp.)
IR Rapid Scan Spectrometer (Lockheed Aero. Corp.)
Precision Radiation Thermometer (PRT-5) - (Barnes Engineering Corp.)
IR Radiometer (Block Engineering Corp.)
Total Air Temperature Probe (Rosemont Engineering Co.)
Multispectral Scanner-24 Channel (Bendix)
.400 GH <sub>z</sub> Scatterometer-DP (Emerson Corp.)
13.3 GH <sub>z</sub> Scatterometer-SP (Ryan Aero. Corp.)

SENSOR

13.3 GH<sub>z</sub> Scatterometer-DP (Ryan Aero. Corp.)

1.6 GH<sub>z</sub> Scatterometer-DP (Ryan Aero. Corp.)

### 3. Geographic Zone

The third field contains a double-digit alpha code which indicates the general geographic zone in which the data were collected. The ERRDF geographic reference system is similar to the World Geographic Reference System (GEOREF) which is described on page xiii. This system divides the earth's surface into 15 degree quadrangles of latitude and longitude. Letters are assigned each 15 degree-division of longitude, extending eastward 360 degrees from the 180th meridian and also for each 15 degree division of latitude extending 180 degrees northward from the south pole. The appropriate letters for each division are shown on a Earth Zone Map on page ix. Quadrangles covering areas within the United States are shown on the U.S. Zone Map on page x.

The initial letter indicates the approximate longitude and the second letter indicates the approximate latitude. For example the zone designated "GJ" indicates that the general geographic area for a given data type is located in the eastern half of the United States. The first letter indicates the approximate longitude, the second letter indicates the approximate latitude. If more than one zone is overflowed the data are classified in the zone of greatest coverage. The numerals "00" are used when zoning is not appropriate.

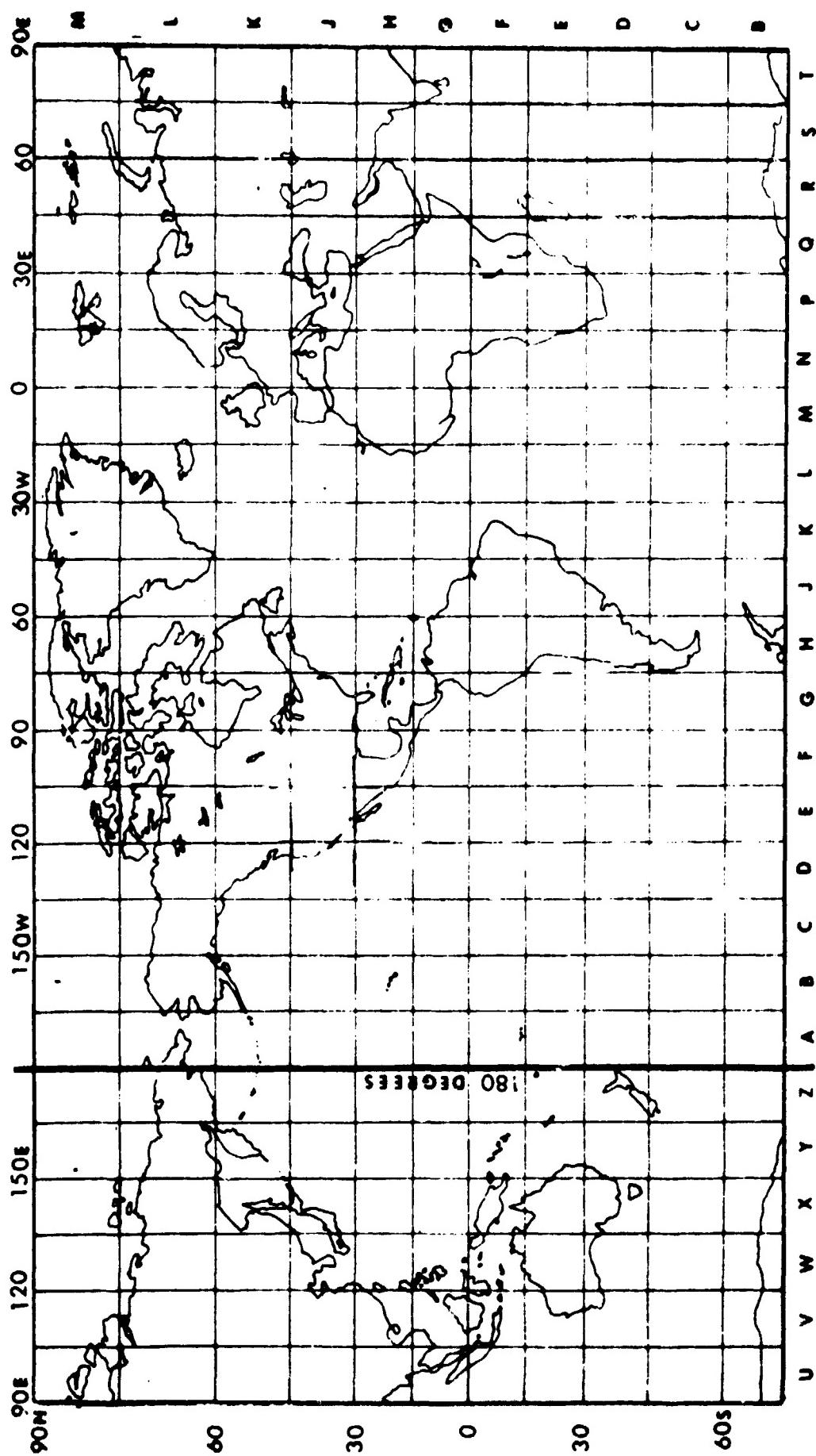
### 4. Site Numbers

Site numbers have been arbitrarily assigned by NASA for areas which have been overflowed and are indicated by a three-digit code in the fourth field of the accession number. For the convenience of users numbers covering test sites located within the United States are shown on a U.S. Zone Map preceding the index. A world map is also included which shows sites overflowed outside the United States. A list of site numbers, zone indicators, test site titles and major disciplines follows the maps. The code number "998" is used when more than one site is covered by one document or map.

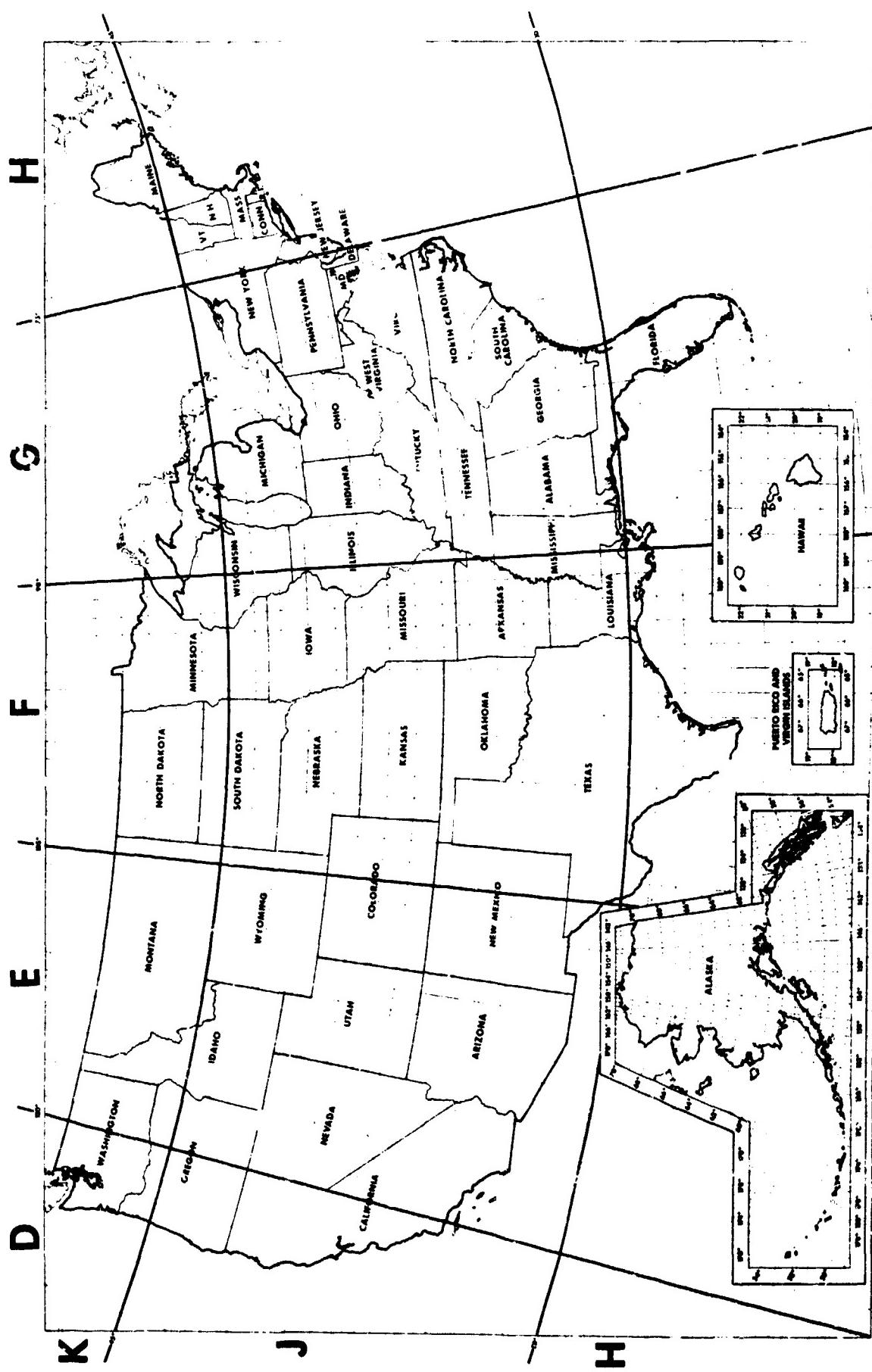
### 5. Bin or File Number

This number is used by the ERRDF to indicate the shelf position in which the data is stored and to locate or retrieve the data when needed. All entries in the index are arranged under separate sections according to discipline and data type or sensor type. An example of a typical entry is shown in the following figure.

**EARTH ZONE MAP**



# U.S. ZONE MAP



Geology  
|  
Technical Letter  
|  
NR-E5-EJ-002-00007      U.S. Geological Survey, Technical  
|  
|      Letter NASA-7. Topographic studies  
Test Site  
|  
Geographic Reference      of Pisgah Crater, California,  
R. E. Altenhofen USGS, Menlo  
Park, California, J. K. Oman and  
T. M. Sousa USGS, Washington, D.C.  
June 25, 1965, Contract No. R-146.

Information extracted from the above annotation establishes this entry as a document in the Geological discipline and is a technical letter concerning NASA Test Site 2 located within the "EJ" 15-degree quadrangle which covers the western portion of the United States.

Similarly the accession number -

NR-34-EJ-075-00037  
|  
|      Test Site  
|  
Geographic Reference  
|  
Reconofax IV Sensor

indicates that the data contains Reconofax IV imagery over Test Site 75 - Goldfield, Nevada which is located within the EJ 15-degree quadrangle covering the western portion of the U.S.

When the requestors area of interest has been determined, data-research personnel at the ERRDF will assist as needed in providing the appropriate information and answering questions.

Documents, photographs, and maps are available to visitors for examination and viewing. After deciding which information will be needed, source information concerning its availability will be provided.

Computer searches can be made according to the geographical zone, the test site, personal and corporate authors, missions, and subject descriptors, or any combination of these classifications when more specific information is desired.

Information may also be scanned on microfilm viewers in a viewing area.

In an effort to improve the utility of this document for meeting the needs of users we have included a questionnaire following the index. Your comments and the return of this form will be appreciated.

### GECREF-WORLD GEOGRAPHIC REFERENCE SYSTEM

The Earth Resources Research Data Facility World Geographic Reference system is similar to the World Geographic Reference System (GEOREF) described in A. F. Manual 51-40, Vol. I, Air Navigation, pages 3-34 through 3-38.

The GEOREF is based on the normal geographic longitude and latitude projection lines of any specific chart, and defines a unit of geographic area in which a specific point lies. The GEOREF divides the earth's surface into 15 degree quadrangles of longitude and latitude with the point of origin at the 180th meridian and the South Pole (see Earth Zone Map, page xiv). The divisions extend eastward 360 degrees from the 180th meridian with each component zone of these divisions identified by a letter from A through Z, omitting I and O, and extends northward 180 degrees from the South Pole with the zones lettered from A through M, omitting I. This combination divides the earth's surface into 288 basic 15 degree quadrangles, each having 2 letters identifying the zone of longitude and latitude.

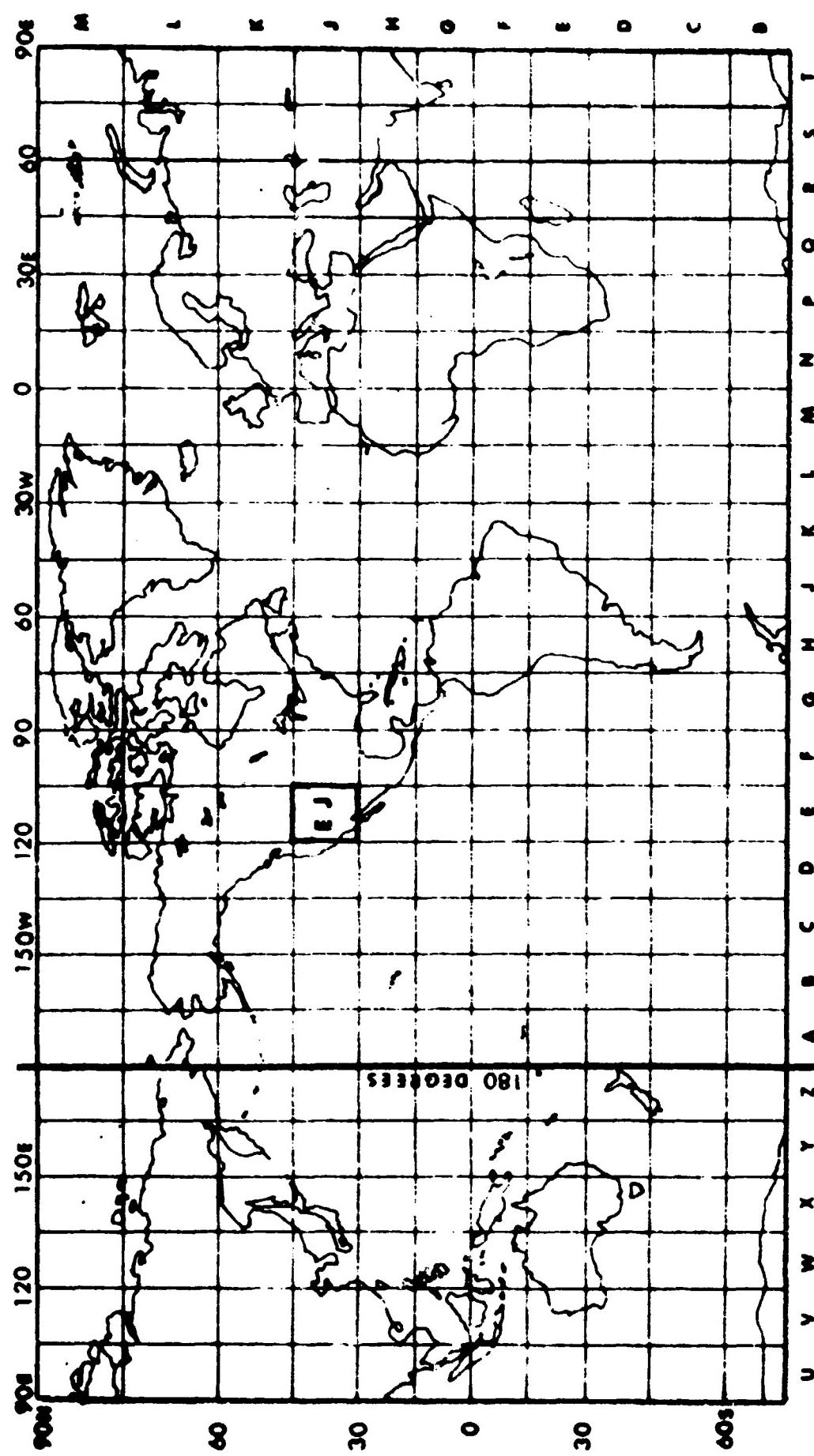
Each such basic 15 degree quadrangle (see GEOREF 15 degree square sample quadrangle, page xv) is further divided into 15 lettered 1-degree units eastward and 15 lettered 1-degree units northward. These 1 degree quadrangles are lettered from A through Q, omitting I and O.

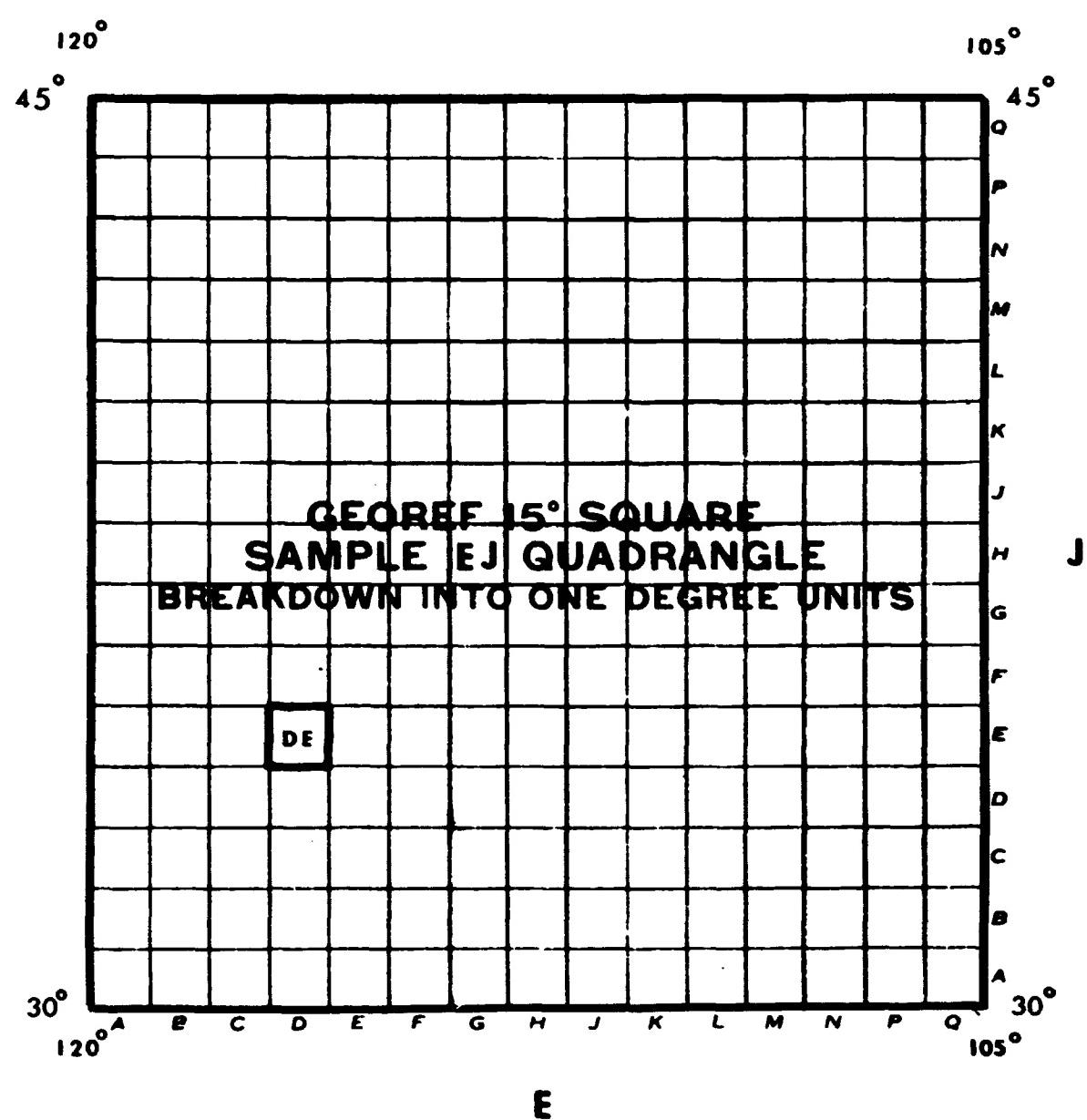
As an example, within a one degree square quadrangle, the geographical location of Site 002 (Pisgah Crater, California) the coordinates of which are 116 degrees 16 minutes to 116 degrees 34 minutes west longitude and 34 degrees 35 minutes to 34 degrees 50 minutes north latitude is completely described by the four letters EJDE and located as follows:

1. On the Earth Zone Map, locate the 15 degree quadrangle "EJ" by reading right to "E" and up to "J".
2. On the GEOREF 15 Degree Square Sample Quadrangle, locate the 1 degree quadrangle "DE" with the sample "EJ" 15 degree quadrangle by reading right to "D" and up to "E".

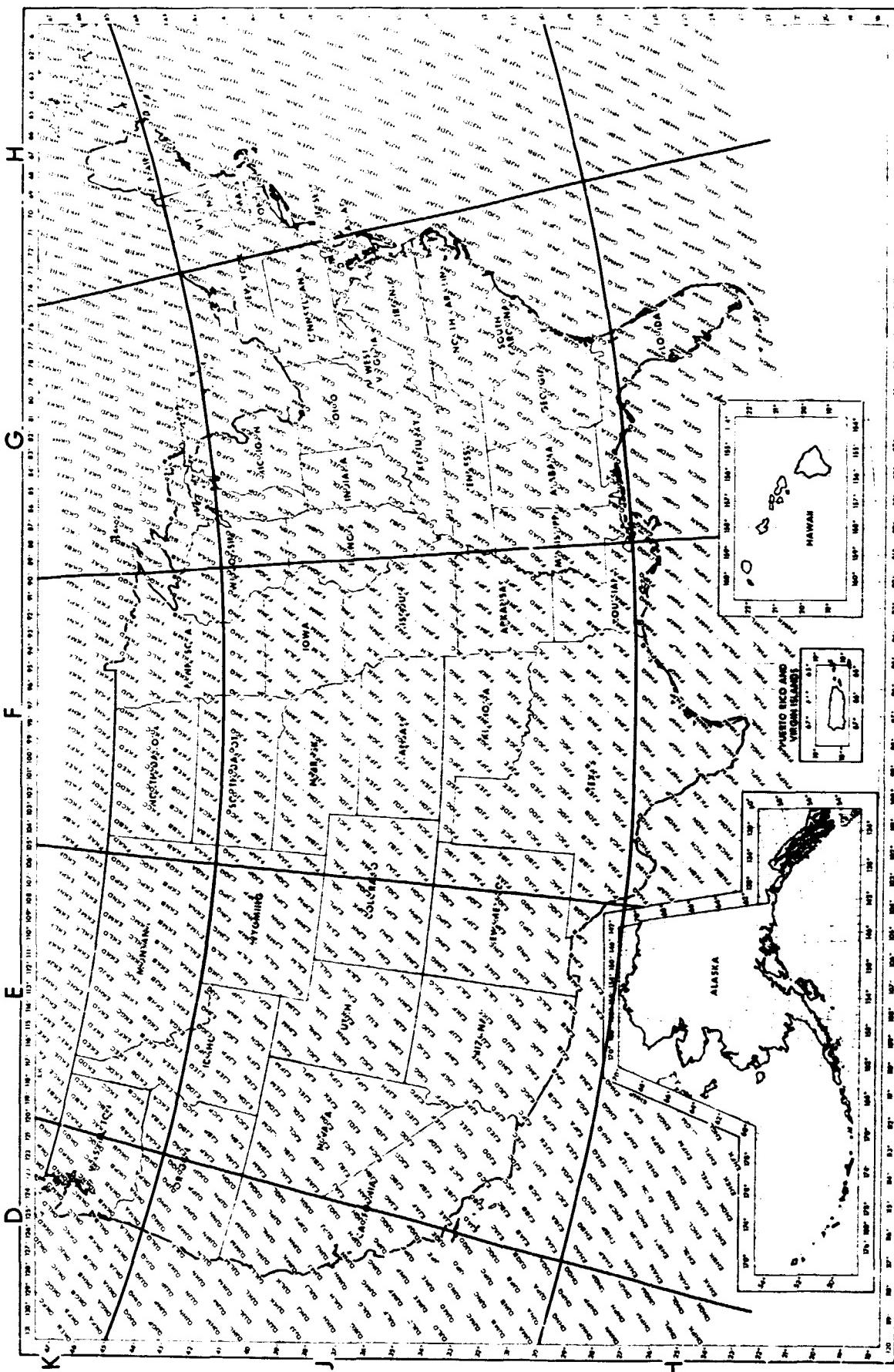
By the use of this method and assigning the appropriate four letter designators for each 1-degree-square covered, all available photography and other documented information on any specific geographical area can be readily indexed and speedily retrieved by the 4-letter combinations. The first two letters of each 4-letter combination which locate the specific 15 degree zone quadrangle are also a part of all associated document accession numbers. A map showing the location of each 1-degree quadrangle is included on the page xvi.

EARTH ZONE MAP



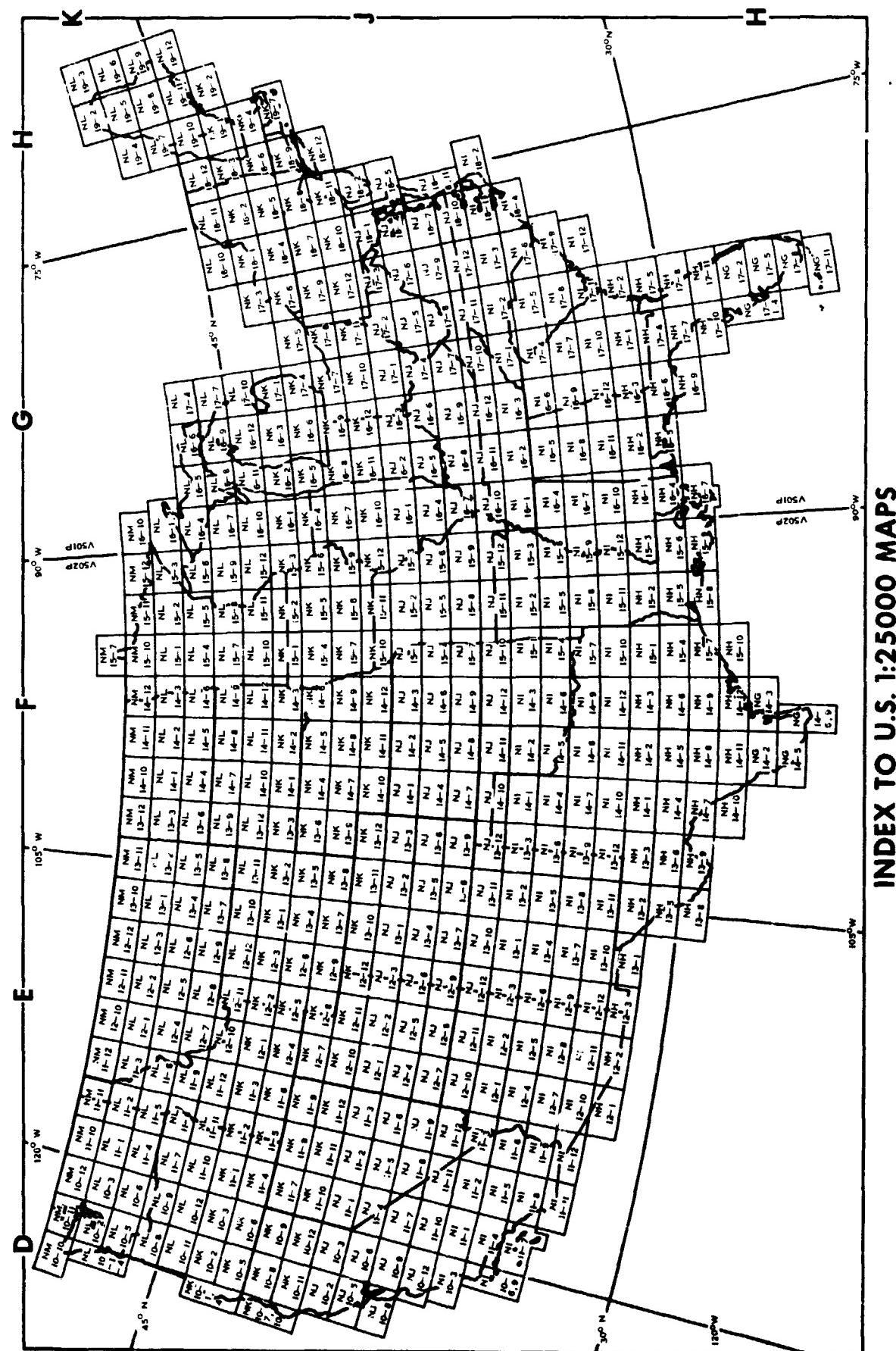


**U.S. 1 - DEGREE GEOREF QUADRANGLE LOCATION MAP**

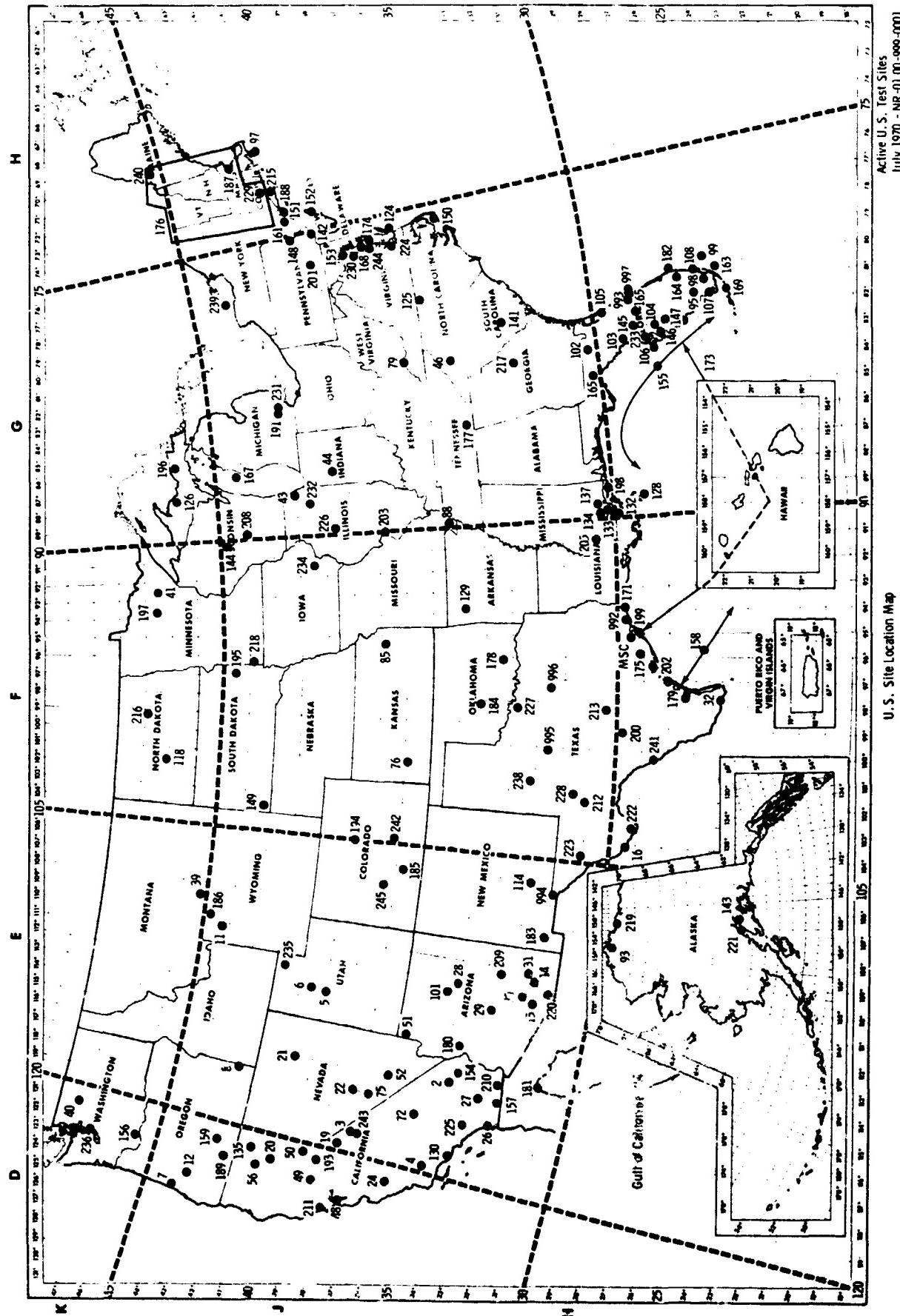


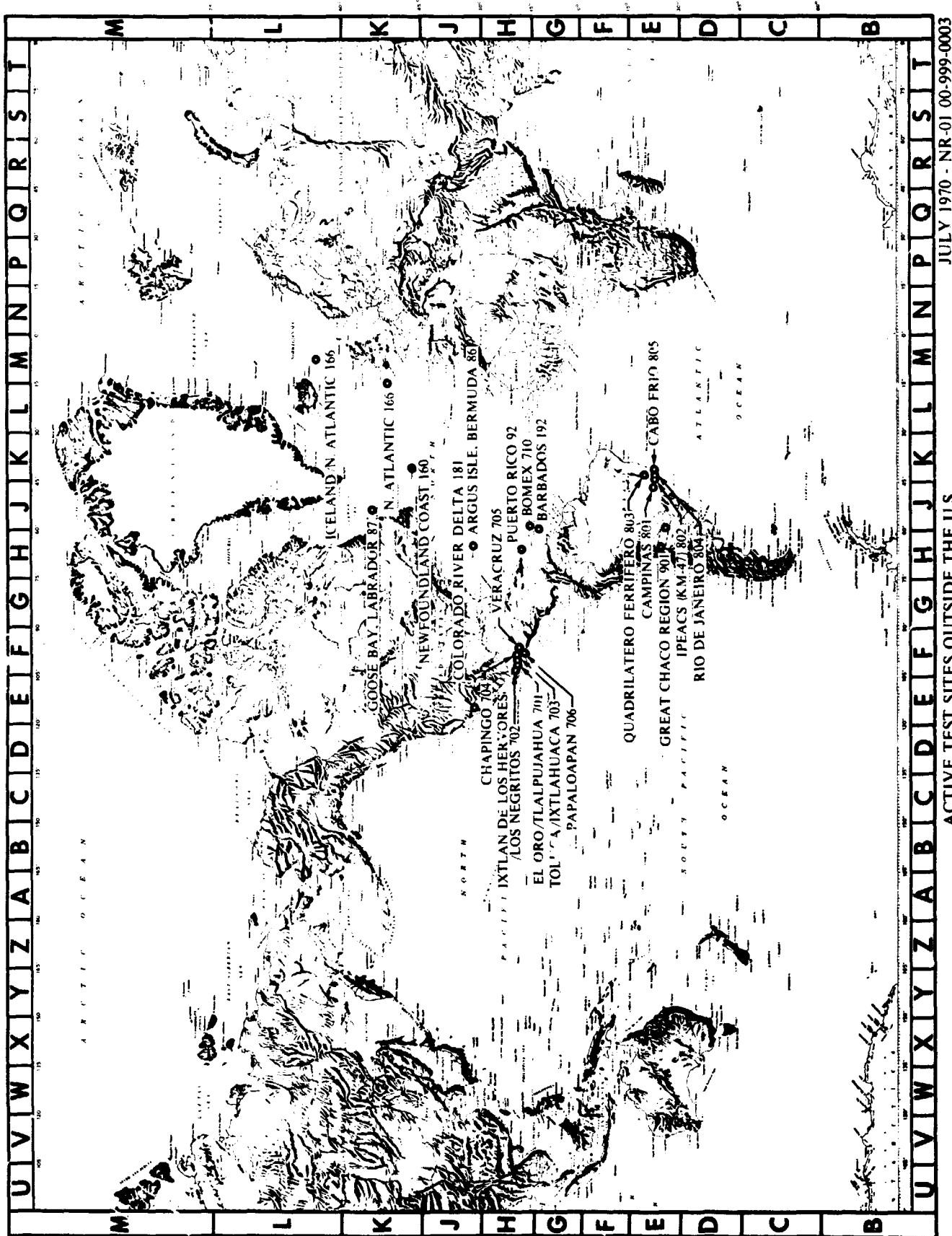
In addition to retrieving data by GEOREF all data coverage can be located in the United States and can be retrieved by test quadrant number. The Test Quadrant number corresponds to the Army Map Service number shown on page xviii.

As an example NH15-7 covers from  $94^{\circ}$  N to  $96^{\circ}$  W longitude and from  $29^{\circ}$  N to  $30^{\circ}$  N latitude which is the Houston, Galveston Bay Area.



INDEX TO U.S. 1:25000 MAPS





## TEST SITE

SITE ZONE	NAME
001	EJ CEDAR CITY (IRON SPRINGS), UTAH
002	EJ PISGAH CRATER, CALIFORNIA
003	EJ MONO CRATERS, CALIFORNIA
004	EJ CARRIZO PLAIN, CALIFORNIA
005	EJ EUREKA (TINTIC DISTRICT), UTAH
006	EJ SALT LAKE (SALT LAKE DISTRICT), UTAH
007	DJ COAST RANGE, OREGON/WASHINGTON
008	EJ SOUTH OREGON STRIP, OREGON
009	EJ SAN FRANCISCO DISTRICT, UTAH
010	EJ CARSON CITY (COMSTOCK DISTRICT), NEVADA
011	EJ YELLOWSTONE NAT'L PARK, WYOMING/ MONTANA/IDAHO
012	DJ CRATER LAKE, OREGON
013	EJ SILVER CITY (CENTRAL DISTRICT), NEW MEXICO
014	EJ LITTLE DRAGOON MOUNTAINS, ARIZONA
015	EJ TWIN BUTTES (PIMA DISTRICT), ARIZONA
016	FH SOLITARIO, TEXAS
017	GJ BALTIMORE (CHARFORD-YORK), MARYLAND/ PENNSYLVANIA
018	GJ HAGERSTOWN (CENTRAL APPALACHIAN PIEDMONT), MARYLAND/PENNSYLVANIA/VIRGINIA
019	EJ SONORA PASS, CALIFORNIA
020	DJ BUCKS LAKE, CALIFORNIA
021	EJ BATTLE MOUNTAIN (RYE PATCH RESERVOIR/ RUBY MOUNTAINS), NEVADA
022	EJ TONOPAH, NEVADA
023	DJ INYO NATIONAL FOREST (WARD MOUNTAIN/ CRATER MOUNTAIN), CALIFORNIA
024	DJ SAN ANDREAS FAULT, CALIFORNIA
025	EJ DEVILS PLAYGROUND, CALIFORNIA
026	EJ SCRIPPS BEACH, CALIFORNIA
027	EJ SALTON SEA, CALIFORNIA
028	EJ WINSLOW (METEOR CRATER), ARIZONA
029	EJ PHOENIX, ARIZONA
030	EJ TUCSON/AJO, ARIZONA
031	EJ WILLcox DRY LAKE, ARIZONA
032	FH WESLACO, TEXAS
033	FH GUADELUPPE RIVER, TEXAS
034	FJ OUACHITA MOUNTAINS, ARKANSAS/OKLAHOMA
035	FJ WICHITA, KANSAS
036	FJ SPANISH PEAKS, COLORADO
037	EJ OURAY (SILVERTON/CREED DISTRICT AND SL. JUAN 20 QUADRANT), COLORADO
038	EJ GREAT SAGE PLAIN (LISBON VALLEY), UTAH/ COLORADO

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TEST SITE

SITE ZONE

NAME

039	EK	EASTERN BEAR TOOTH MOUNTAINS, WYOMING/MONTANA
040	DK	CASCADE MOUNTAINS (CASCADE GLACIER SITE), WASHINGTON
041	FK	MESABI RANGE, MINNESOTA
042	FK	OTTAWA NATIONAL FOREST (GOGBIC RANGE), MICHIGAN
043	GJ	CHICAGO, ILLINOIS
044	GJ	PURDUE, INDIANA
045	GJ	ORANGE, VIRGINIA
046	GJ	ASHEVILLE, NORTH CAROLINA
047	GJ	MYRTLE BEACH, SOUTH CAROLINA
048	DJ	SAN PABLO RESERVOIR, CALIFORNIA
049	DJ	DAVIS, CALIFORNIA
050	DJ	DONNER PASS, CALIFORNIA
051	EJ	MESQUITE SEDIMENTARY, ARIZONA
052	EJ	NEVADA AEC
053	EJ	SPANISH PEAKS, COLORADO/CEDAR CITY, UTAH
054	EJ	SMOKE CREEK DESERT/HEBER, UTAH
055	EJ	HUMBOLDT BASIN, NEVADA
056	DJ	MT. LASSEN, CALIFORNIA
057	BH	HAWAII
058	EJ	VALLES CALDERA, NEW MEXICO
059	EJ	TOBIN RANGE, NEVADA
060	EJ	DIXIE VALLEY, NEVADA
061	DJ	THE GEYSERS, CALIFORNIA
062	DJ	MT. SHASTA, CALIFORNIA
063	DJ	NEWBERRY CRATERS, OREGON
064	DJ	CENTRAL CASCADE RANGE, OREGON
065	DK	MT. HOOD, OREGON
066	DK	MT. ADAMS, WASHINGTON
067	DK	MT. ST. HELENS, WASHINGTON
068	DK	MT. RAINIER, WASHINGTON
069	DK	MT. BAKER, WASHINGTON
070	HJ	HOPKINTON-MILFORD/TEMPLETON/ORANGE-MASSACHUSETTS
071	EJ	HOPI BUTTES, ARIZONA
072	EJ	COSO HOT SPRINGS, CALIFORNIA
073	EJ	LYNN DISTRICT, NEVADA
074	EJ	BENTON, CALIFORNIA
075	EJ	GOLDFIELD, NEVADA
076	FJ	GARDEN CITY, KANSAS
077	GJ	NORFOLK, VIRGINIA
078	GJ	CLEVELAND COUNTY, NORTH CAROLINA
079	GJ	MATEWAN, KENTUCKY
080	EJ	BIG PINE FAULT, CALIFORNIA

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## TEST SITE

SITE	ZONE	NAME
081	EJ	MT. MORRISON FAULT, CALIFORNIA
082	EJ	ALVORD VALLEY, OREGON
083	FJ	IRONTON, MISSOURI
084	EJ	ALAMOSA, COLORADO
085	FJ	LAWRENCE, KANSAS
086	HJ	ARGUS ISLE, BERMUDA
087	JK	GOOSE BAY, LABRADOR
088	FJ	MISSISSIPPI VALLEY, MISSOURI/TENNESSEE
089	EK	BLACKBIRD DISTRICT, IDAHO
090	EK	ALBERTON, MONTANA
091	ER	TOBACCO ROOT MOUNTAIN, MONTANA
092	HJ	PUERTO RICO
093	BL	PT. BARROW, ALASKA
094	GJ	NORTHEAST PENNSYLVANIA (PEAT BOGS)
095	GH	EVERGLADES, FLORIDA
096	EJ	DIXIE/FISH LAKE NATIONAL FOREST, UTAH
097	HJ	CAPE COD/MARTHA'S VINEYARD, MASSACHUSETTS
098	GH	HOMESTEAD, FLORIDA
099	GH	FLORIDA STRAITS
100	FJ	HOT SPRINGS, ARKANSAS
101	EJ	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA
102	BJ	STATENVILLE, GEORGIA/LAKE CITY, FLORIDA, PHOSPHATE
103	GH	CRYSTAL RIVER, FLORIDA
104	GH	WAUCHULA/TAMPA, FLORIDA
105	GH	CRESCENT BEACH SUBMARINE SPRING, FLORIDA
106	GH	CLEARWATER/NAPLES SUBMARINE SPRING, FLORIDA
107	GH	CAPE SABLE SUBMARINE SPRING, FLORIDA
108	GH	CUTLER AREA SUBMARINE SPRING, FLORIDA
109	FJ	SIERRA MADERA, TEXAS
110	EK	CLARK FORK, IDAHO
111	EJ	WET MOUNTAIN, COLORADO
112	EJ	NORTHEAST RANGE, COLORADO
113	GJ	FAYETTEVILLE, NORTH CAROLINA/NEWPORT, TENNESSEE
114	EJ	WHITE SANDS, NEW MEXICO
115	EJ	NEW MEXICO MINERAL AND STRUCTURAL BELTS
116	EJ	GREAT SALT LAKE, UTAH
117	EJ	LAKE CACHUMA, CALIFORNIA
118	FK	MISOURI RIVER, NORTH DAKOTA
119	FJ	BUTLER COUNTY, KANSAS
120	FJ	LAKE COLORADO CITY, TEXAS
121	GH	EFFLUENTS AND MAJOR RIVERS, LOUISIANA
122	HJ	MILLERS RIVER, MASSACHUSETTS

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TEST SITE

SITE ZONE	NAME
123 HJ	MERRIMACK RIVER, MASSACHUSETTS
124 GJ	DELMARVA PENINSULA, DELAWARE/MARYLAND/VIRGINIA
125 GJ	ROXBORO RESERVOIR, NORTH CAROLINA
126 GK	MARQUETTE/REPUBLIC THROUGHS, MICHIGAN
127 GJ	JOHNSON COUNTY GRAVEL TEST, INDIANA
128 GH	MISSISSIPPI DELTA, LOUISIANA
129 FU	ARKANSAS BASIN
130 EU	SOUTHERN CALIFORNIA
132 GH	NEW ORLEANS, LOUISIANA
133 GJ	MICHOUD, LOUISIANA
134 GJ	SLIDELL, LOUISIANA
135 DJ	HARVEY VALLEY, CALIFORNIA
136 HJ	NAVY ACRES
137 GJ	MISSISSIPPI TEST FACILITY
138 HJ	GULFSTREAM NORTH
139 EU	STEAMBOAT SPRINGS, COLORADO
140 EU	BISHOP, CALIFORNIA
141 GJ	CHARLESTON/COLUMBIA, SOUTH CAROLINA
142 GJ	DELAWARE ESTUARY, PENNSYLVANIA/NEW JERSEY
143 CL	COOK INLET, ALASKA
144 FJ	WISCONSIN SAND PLAINS
145 GH	GULF COAST SPRINGS, FLORIDA
146 GH	ALAFIA AND PEACE RIVERS, FLORIDA
147 GH	LAKES/TAMPA, FLORIDA
148 GJ	LEHIGH RIVER, PENNSYLVANIA
149 FU	BLACK HILLS, SOUTH DAKOTA
150 GJ	PAMLICO SOUND, NORTH CAROLINA
151 HJ	LONG ISLAND, NEW YORK
152 HJ	BARNEGAT BAY, NEW JERSEY
153 GJ	ANNAPOLIS, MARYLAND
154 EU	AMBOY CRATER, CALIFORNIA
155 GH	GULF COAST FISHERIES
156 DK	WIND RIVER, WASHINGTON
157 EU	BORREGO SPRINGS, CALIFORNIA
158 FH	CORPUS CHRISTI, TEXAS/GULF OF MEXICO
159 DJ	HORSEFLY MOUNTAIN, OREGON
160 JK	NEWFOUNDLAND COAST (ARGENTIA)
161 HJ	RARITAN RIVER, NEW JERSEY
162 GH	BAHAMA BANKS, FLORIDA
163 GH	BISCAYNE BAY, FLORIDA
164 GH	BOCA RATON/BELLE GLADE, FLORIDA

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TEST SITE

SITE ZONE

NAME

165	GJ	DESERET/ST. MARKS, FLORIDA
166	LL	ICELAND, NORTH ATLANTIC
167	GJ	LAKE MICHIGAN
168	GJ	PATUXENT RIVER, MARYLAND
169	GH	FLORIDA KEYS
170	EJ	SHEEP MOUNTAIN, WYOMING
171	FH	SABINE LAKE ESTUARY, TEXAS/LOUISIANA
172	GH	YUCATAN PENINSULA, MEXICO
173	GH	GULF LOOP
174	GJ	WALLOPS ISLAND, VIRGINIA
175	FH	HOUSTON, TEXAS, AREA
176	HJ	NEW ENGLAND
177	GJ	TENNESSEE VALLEY
178	FJ	MILL CREEK, OKLAHOMA
179	FH	LAGUNA MADRE AND CORPUS CHRISTI, TEXAS
180	EJ	GARNET MOUNTAIN, ARIZONA
181	EJ	COLORADO RIVER DELTA, MEXICO
182	GH	WEST PALM BEACH, FLORIDA
183	EJ	LORDSBURG, NEW MEXICO
184	FJ	CHICKASHA, OKLAHOMA
185	EJ	BONANZA AREA, COLORADO
186	EJ	CLARK FORK, WYOMING
187	HJ	BOSTON, MASSACHUSETTS
188	HJ	NEW YORK BIGHT
189	DJ	KLAMATH FALLS, OREGON
190	GJ	ANN ARBOR, MICHIGAN
191	BJ	WASHTENAW COUNTY, MICHIGAN
192	JG	BARBADOS
193	DJ	EL DORADO FOREST, CALIFORNIA
194	FJ	DENVER, COLORADO
195	FJ	BROOKINGS, SOUTH DAKOTA
196	GK	GRAND SABLE, MICHIGAN
197	FK	CHIPPEWA NATIONAL FOREST, MINNESOTA
198	GJ	MISSISSIPPI SOUND
199	FH	GALVESTON ISLAND, TEXAS
200	FJ	KERR COUNTY, TEXAS
201	GJ	MECHANICSBURG, PENNSYLVANIA
202	FH	PT. COMFORT, TEXAS
203	FJ	GRANITE CITY, ILLINOIS
204	GJ	BYNAM, ALABAMA
205	FJ	BATON ROUGE, LOUISIANA
206	BJ	MUSCLE SHOALS, ALABAMA

RPT-M36-01-007C

TEST SITE

SITE ZONE	NAME
207	EK MOSES LAKE, WASHINGTON
208	GJ BARABOO, WISCONSIN
209	EJ FORT APACHE/SAN CARLOS INDIAN RESERVATION, ARIZONA
210	EJ IMPERIAL VALLEY, CALIFORNIA
211	DJ SAN FRANCISCO BAY AREA, CALIFORNIA
212	PJ MARATHON, TEXAS
213	FU COLORADO RIVER, TEXAS
214	EH GULF OF CALIFORNIA
215	HJ LONG ISLAND SOUND, NEW YORK
216	FK JAMESTOWN, NORTH DAKOTA
217	GJ ATLANTA, GEORGIA
218	PJ SIOUX FALLS, SOUTH DAKOTA
219	CL BEAUFORT SEA, ALASKA
220	EJ FORT HUACHUCA, ARIZONA
221	BK KATMAI NATIONAL MONUMENT, ALASKA
222	FH BIG BEND NATIONAL PARK, TEXAS
223	FJ VAN HORN, TEXAS
224	GJ JAMES RIVER, VIRGINIA
225	EJ RIVERSIDE, CALIFORNIA
226	GJ PEORIA, ILLINOIS
227	FJ WITCHITA FALLS, TEXAS
228	FJ MIDLAND, TEXAS
229	HJ NEW HAVEN, CONNECTICUT
230	GJ WASHINGTON, D.C.
231	GJ PONTIAC, MICHIGAN
232	GJ AURORA, ILLINOIS
233	GH TAMPA, FLORIDA
234	FJ CEDAR RAPIDS, IOWA
235	EJ SALT LAKE CITY, UTAH
236	DK SEATTLE, WASHINGTON
237	HJ VIRGIN ISLANDS
238	FJ LUBBOCK, TEXAS
239	GJ LAKE ONTARIO, U.S./CANADA
240	HK CATHEART MOUNTAIN, MAINE
241	FH EAGLE PASS, TEXAS
242	FJ MANITOU, COLORADO
243	EJ STANISLAUS NATIONAL FOREST, CALIFORNIA
244	BJ CENTRAL ATLANTIC COASTAL AREA
245	EJ MARBLE, COLORADO
701	FH EL ORO/TLALPUJAHUA, MEXICO
702	FH IXTLAN DE LOS HERVORES/LOS NEGRITOS, MEXICO
703	FH TOLUGA IXTLAHUACA, MEXICO

RDT-M36-01-007C

TEST SITE

SITE ZONE

NAME

704	FH	CHAPINGO, MEXICO
705	ZH	VERACRUZ, MEXICO
706	FH	PALALOAPAN BASIN, MEXICO
707	FH	CUATRO CIENENGAS, MEXICO
708	FH	SAN JOSE DE LAS RUSIAS, MEXICO
710	JH	BOMEX
801	JE	CAMPINAS, BRAZIL
802	CE	IPEACS (KM-47), BRAZIL
803	CE	QUADRILATERO FERRIFERO, BRAZIL
804	CE	RIO DE JANEIRO, BRAZIL
805	CE	CABO FRIO, BRAZIL
901	RE	GREAT CHACO REGION, ARGENTINA
992	FH	FIREANT, (TEXAS)
993	GH	TITUSVILLE, FLORIDA
994	EJ	EL PASO, TEXAS
995	PJ	ANSON/SNYDER, TEXAS
996	ZJ	DALLAS/FT. WORTH, TEXAS
997	GH	CAPE KENNEDY, FLORIDA



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B - Cartography

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C - Forestry

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D - Geography

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F - Hydrology

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Section 5 - Technical Letter Reports - Hydrology

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H - Multisubject

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Section 4 - Mission Screening and Summary Reports - Multisubject

Section 5 - Technical Letter Reports - Multisubject

Section 7 - Summary Reports - Multisubject

Section 8 - Subject Related Documents - Multisubject

Section 9 - Technical Reports - Multisubject

P - Program Documents

Section 9 - Technical Reports - Program Documents

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Section 10 - Inflight Records (Strip-charts, temperature recordings etc)

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Section 21 - RS-14 Dual Channel IR Scanner (Texas Instruments)

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Section 24 - AAS-5 UV Camera (HRB Singer)

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Section 46 - KA-62A Camera (Chicago Aerial)  
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Section 49 - KA-62D Camera (Chicago Aerial)  
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## **PART I - TECHNICAL DOCUMENTS AND MAPS**

# **AGRICULTURE**

**AGRICULTURE**  
**SECTION 01 - SITE MAPS**

## SITE MAPS - AGRICULTURE

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-A1-DJ-007-00007	SITE 007-COAST RANGE, CRE./WASH.	DETAIL	17 x 20
VR-A1-DJ-007-00093	SITE 007-COAST RANGE, CRE./WASH.	REGIONAL	17 x 22
VR-A1-DJ-007-00094	SITE 007-COAST RANGE, CRE./WASH.	REGIONAL	17 x 22
VR-A1-DJ-007-00095	SITE 007-COAST RANGE, CRE./WASH.	REGIONAL	17 x 22
VR-A1-DJ-007-00096	SITE 007-COAST RANGE, CRE./WASH.	REGIONAL	17 x 22
VR-A1-DJ-007-00097	SITE 007-COAST RANGE, CRE./WASH.	REGIONAL	17 x 22
VR-A1-DJ-020-00037	SITE 020-BUCKS LAKE, CALIF.	DETAIL	17 x 22
VR-A1-DJ-020-00113	SITE 020-BUCKS LAKE, CALIFORNIA	REGIONAL	17 x 22
VR-A1-FH-032-00018	SITE 032-WESLACO, TEX.	REGIONAL	17 x 22
VR-A1-FH-032-00052	SITE 032-WESLACO, TEX.	DETAIL	17 x 22
VR-A1-FH-032-00070	SITE 032-WESLACO, TEXAS	REGIONAL	17 x 22
VR-A1-FH-032-00131	SITE 032-WESLACO, TEXAS	REGIONAL	17 x 22
VR-A1-FH-032-00135	SITE 032-WESLACO, TEXAS	REGIONAL	17 x 22
VR-A1-FH-032-00178	SITE 032-WESLACO, TEXAS	REGIONAL	17 x 22
VR-A1-GJ-044-00076	SITE 044-PURDUE, INDIANA	REGIONAL	17 x 22
VR-A1-GJ-044-00088	SITE 044-PURDUE, INDIANA	REGIONAL	17 x 22
VR-A1-GJ-044-00163	SITE 044-PURDUE, INDIANA	REGIONAL	17 x 22
VR-A1-GJ-044-00179	SITE 044-PURDUE, INDIANA	REGIONAL	17 x 22
VR-A1-GJ-044-00183	SITE 044-PURDUE, INDIANA	REGIONAL	17 x 22
VR-A1-DJ-048-00098	SITE 048-SAN PABLO RESERVOIR, CALIF.	REGIONAL	17 x 22
VR-A1-DJ-048-00170	SITE 048-SAN PABLO RESERVOIR, CALIF.	REGIONAL	17 x 22
VR-A1-FJ-076-00033	SITE 076-GARDEN CITY, KANSAS	REGIONAL	17 x 22

## SITE MAPS - AGRICULTURE

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-A1-J-076-00087	SITE 076-GARDEN CITY, KANSAS	REGIONAL	17 X 22
VR-A1-J-076-00125	SITE 076-GARDEN CITY, KANSAS	REGIONAL	17 X 22
VR-A1-J-076-00175	SITE 076-GARDEN CITY, KANSAS	REGIONAL	17 X 22
VR-A1-J-076-00184	SITE 076-GARDEN CITY, KANSAS	REGIONAL	17 X 22
VR-A1-J-076-00201	SITE 074-GARDEN CITY, KANSAS	REGIONAL	17 X 22
VR-A1-DJ-135-00040	SITE 135-HARVEY VALLEY, CALIF.	DETAIL	17 X 22
VR-A1-DJ-135-00111	SITE 135-HARVEY VALLEY, CALIFORNIA	REGIONAL	17 X 22
VR-A1-DK-156-00100	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00101	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00102	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00112	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00186	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00187	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00188	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-DK-156-00189	SITE 156-WIND RIVER, WASHINGTON	REGIONAL	17 X 22
VR-A1-FH-703-00261	SITE 703-TOLUCA, IXTLAHLACA, MEXICO (1) AND (2)	REGIONAL	17 X 22
VR-A1-FH-704-00262	SITE 704-CHAPINGO, MEXICO	REGIONAL	17 X 22
VR-A1-FH-706-00264	SITE 706-PAPALOAPAN BASIN, MEXICO	REGIONAL	17 X 22

**AGRICULTURE**

**SECTION 02 - SITE DESCRIPTIONS**

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SITE DESCRIPTIONS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A2-DJ-007-00006	SITE 007-COAST RANGE, OREGON/WASHINGTON
VR-A2-EJ-008-00055	SITE 008-SOUTH OREGON STRIP, OREGON
VR-A2-GJ-044-00025	SITE 044-PURDUE, INDIANA
VR-A2-GJ-088-00040	SITE 088-MISSISSIPPI VALLEY, MISSOURI/TENNESSEE
VR-A2-GH-098-00046	SITE 098-HOMESTEAD, FLA.

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**AND SUMMARY REPORTS**

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ACCESSION NUMBER	DESCRIPTION
VR-A4-FH-032-B0016	MISSION NO. 16 SITE 032
VR-A4-FH-032-B0017	MISSION NO. 17 SITE 032
VR-A4-FH-032-B0024	MISSION NO. 24 SITE 032
VR-A4-FH-032-B0027	MISSION NO. 27 SITE 032
VR-A4-FH-032-B0035	MISSION NO. 35 SITE 032
VR-A4-FH-032-B0051	MISSION NOS. 51, 951 SITE 032
VR-A4-SJ-044-B0052	MISSION NO. 52 SITE 044
VR-A4-SJ-998-B0059	MISSION NO. 59 SITES 020, 051, 135, 156, 159
VR-A4-SJ-998-B0062	MISSION NO. 62 SITES 032, 132, 133, 134, 137
VR-A4-FH-032-B0064	MISSION NO. 64 SITE 32.
VR-A4-SH-998-B0075	MISSION NO. 75 SITES 032, 162
VR-A4-SJ-998-B0077	MISSION NO. 77 SITES 044, 076, 148
VR-A4-SH-998-B0081	MISSION NO. 81 SITES 165, 163, 146, 147, 145, 132
VR-A4-EJ-998-B0981	MISSION NO. 981 SITES 030, 175, 181, DALLAS/FT. WORTH, TEXAS ANSON/SNYDER, TEXAS, EL PASO, TEXAS, SAN ANTONIO, TEXAS
VR-A4-FH-998-B0091	MISSION NO. 91, SITES 701, 702, 703, 704, 705, 706.
VR-A4-KE-998-B0096	MISSION NO. 96 SITES 801, 802, 803, 804, 805

**AGRICULTURE**

**SECTION 05    TECHNICAL LETTER REPORTS**

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TECHNICAL LETTER REPORTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A5-VK-000-00053	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-53, EVALUATION OF NIMBUS VIDICON PHOTOGRAPHY SOUTHWEST FRANCE AND NORTHEAST SPAIN, EDWARD G. HASSE, U.S.G.S., WASHINGTON, D.C., OCTOBER 1966. CONTRACT NO. R-09-020-011.
VR-A5-EJ-000-00060	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-60, EXTENT OF RELICT SOILS REVEALED BY GEMINI IV PHOTOGRAPHS. HARALD DREWES AND ROGER MORRISON, U.S.G.S., DENVER, COLORADO, OCTOBER 1966. CONTRACT NO. R-09-020-011.
VR-A5-EJ-140-00063	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-63, PRELIMINARY STUDIES OF SOIL PATTERNS OBSERVED IN RADAR IMAGES, BISHOP AREA, CALIFORNIA, MICHAEL F. SHERIDAN, DEPARTMENT OF GEOLOGY, ARIZONA STATE UNIVERSITY, TEMPE, ARIZONA. NOVEMBER 1966. CONTRACT NO. R-09-020-015. STAR X67-10993.

**AGRICULTURE**

**SECTION 07 SUMMARY REPORTS**

SUMMARY REPORTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A7-GJ-998-00013*	REMOTE MULTISPECTRAL SENSING IN AGRICULTURE, COVERING JAN. - AUG., 1966. J. RALPH SHAY, PURDUE UNIVERSITY, AGRICULTURAL EXPERIMENT STATION, LABORATORY FOR AGRICULTURAL REMOTE SENSING, LAFAYETTE, INDIANA. JULY 1967. CONTRACT NUMBERS NGR-15-005-028 AND 12-14-100-8307(20). PUBLISHED IN RESEARCH BULLETIN NO. 832, LABORATORY FOR AGRICULTURAL REMOTE SENSING, VOL. NC, 2, (ANNUAL REPORT) JULY 1967.
VR-A7-EJ-998-00046	EARTH RESOURCES AIRCRAFT PROGRAM STATUS REVIEW, VOL. 2, AGRICULTURE, FORESTRY, AND SENSOR STUDIES. EARTH RESOURCES DIVISION, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. 1969.
VR-A7-DO-000-00052*	AN APPRAISAL OF THE POTENTIAL FOR AGRICULTURAL RESOURCE SURVEYS BY REMOTE SENSING. SUMMARY REPORT. NASA CR-103704. U.S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERVICE, WASHINGTON, D.C. MARCH 1969. CONTRACT NUMBERS R-09-038-001 AND R-09-038-002. STAR N69-33491.
VR-A7-GJ-044-00056*	REMOTE MULTISPECTRAL SENSING IN AGRICULTURE. PURDUE UNIV., AGRICULTURAL EXPERIMENT STATION AND THE SCHOOL OF ELECTRICAL ENGINEERING, LAFAYETTE, INDIANA. PUBLISHED IN LABORATORY FOR AGRICULTURAL REMOTE SENSING. (RESEARCH BULLETIN NO. 844) ANNUAL REPORT, VOL. 3, SEPT. 1966 - NOV. 1967.

## **AGRICULTURE**

### **SECTION 08 SUBJECT RELATED DOCUMENTS**

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SUBJECT RELATED DOCUMENTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A8-00-000-00009	REPORT OF WORK UNDER NASA TRANSFER OF FUNDS TO THE ECONOMIC RESEARCH SERVICE, USDA/DEPARTMENT OF AGRICULTURE, R-09-038-001 STAR X69-74556
VR-A8-00-000-00083	ADAPTATION OF A LINEAR TRANSDUCER FOR MEASURING LEAF THICKNESS. REPRINTED FROM AGRONOMY JOURNAL, VOL. 60, SEPT.-OCT. 1968, P. 578-579, CONTRACT NO. 160-75-01-07-10, M.D. HEILMAN, C.L. GONZALEZ, W.A. SWANSON, AND W.J. RIPPERT, U.S. DEPT. OF AGRICULTURE, WESLACC, TEXAS
VR-A8-00-000-00162	NEUTRON SCATTERING AND SOIL MOISTURE. CHARLES P. FISHER, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NORTH CAROLINA. 1961.
VR-A8-00-000-00184	CONTRIBUTIONS OF AUTOMATIC CROP SURVEYS TO AGRICULTURAL DEVELOPMENT. P.M. HOFFER, C.J. JOHANSEN, ET AL., LAB. FOR AGRICULTURAL REMOTE SENSING, PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA. PRESENTED AT THE 4TH ANNUAL MEETING AND TECHNICAL DISPLAY OF THE AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS ANAHEIM, CALIFORNIA, OCTOBER 1967. AIAA PAPER NO. 67-66.
VR-A8-00-000-00292*	AN EVALUATION OF CROP AND LAND USE DATA IN A WORLD SAMPLE OF COUNTRIES. NASA CR-103944. SIMON BAKER, U.S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERVICE, WASHINGTON, D.C. NOVEMBER 1965. STAR N69-34879.

## **AGRICULTURE**

### **SECTION 09 TECHNICAL REPORTS**

## TECHNICAL REPORTS - AGRICULTURE

## ACCESSION NUMBER

## DESCRIPTION

- VR-A9-3J-044-00009\* INVESTIGATIONS OF SPECTRUM-MATCHING SENSING IN AGRICULTURE. SEMIANNUAL REPORT, DEC. 1965 - SEPT. 1966. VOL. I. FABIAN C. POLCYN, UNIVERSITY OF MICHIGAN, INSTITUTE OF SCIENCE AND TECHNOLOGY, WILLOW RUN LABORATORIES, ANN ARBOR, MICHIGAN, SEPTEMBER 1967. NASA GRANT NO. NSG 715/23-05-071.
- VR-A9-EJ-076-00049 THE POTENTIAL OF RADAR AS A REMOTE SENSOR IN AGRICULTURE: 1. A STUDY WITH K-BAND IMAGERY IN WESTERN KANSAS. CRES TECHNICAL REPORT 61-21. D.S. SIMONETT, J.E. EAGLEMAN, D.C. RHODES, AND D.E. SCHWARZ. UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, AND A.B. ERHART, KANSAS STATE UNIVERSITY, AGRICULTURAL EXPERIMENT STATION, GARDEN CITY, KANSAS. CONTRACT NUMBERS NSR 17-004-003 AND NSG-298. STAR N67-36003.
- VR-A9-30-000-00256 ABUNDANCE OF MICROFLORA IN SOILS OF DESERT REGIONS. TECHNICAL REPORT 32-1376. ROY E. CAMERON, CALIFORNIA INSTITUTE OF TECHNOLOGY, JET PROPULSION LABORATORY, PASADENA, CALIFORNIA. 15 MAY 1969. CONTRACT NO. NAS 7-100.
- VR-A9-EJ-027-00274 CROP SPECIES AND SOIL CONDITION DISCRIMINATION ON EKTACHROME INFRARED, APOLLO 9 IMAGERY AND INTERPRETATION OF AGRICULTURAL FEATURES ON 30-65 EXPERIMENT COLOR RECOMBINATIONS. CRAIG L. WIEGAND, ET. AL. U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS, 1969. CONTRACT NUMBER 160-75-01-07-10.
- VR-A9-30-000-00280 RADAR REMOTE SENSING IN BIOLOGY. R.K. MOORE AND D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MARCH 1967. PUBLISHED IN BIOSCIENCE, V. 17, NO. 6, JUNE 1967, P 384-390.
- VR-A9-30-000-00283 VEGETATION ANALYSIS WITH RADAR IMAGERY. CRES REPORT 61-9, S.A. MORAIN AND D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. A PAPER PRESENTED TO THE FOURTH SYMPOSIUM ON REMOTE SENSING OF THE ENVIRONMENT UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 1966. STAR N67-13509.
- VR-A9-3J-159-00285 K-BAND RADAR IN VEGETATION MAPPING. CRES TECHNICAL REPORT 61-23. S.A. MORAIN AND D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSR-17-004-003 AND NSG-298. REPRINTED FROM PHOTOGRAHMETRIC ENGINEERING, JULY 1967, P 730-740.

## TECHNICAL REPORTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A9-FJ-076-00323	THE USE OF RADAR IN THE DISCRIMINATION AND IDENTIFICATION OF AGRICULTURAL LAND USE. DAVID SCHWARZ AND FRED CASPALL, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER USGS 14-08-0001-10848. PRESENTED AT THE FIFTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 1968.
VR-A9-FJ-076-00325	ADAPTIVE PATTERN RECOGNITION OF AGRICULTURE IN WESTERN KANSAS BY USING A PREDICTIVE MODEL IN CONSTRUCTION OF SIMILARITY SETS. CRES TECHNICAL REPORT 133-3, R.M. HARALICK UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER (DOD) DAAK02-68-C-0089. PRESENTED AT THE FIFTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 1968.
VR-A9-DO-000-00334	ELECTROOPTICAL REMOTE SENSING METHODS AS NONDESTRUCTIVE TESTING AND MEASURING TECHNIQUES IN AGRICULTURE. VICTOR I. MYERS AND WILLIAM A. ALLEN, U.S. DEPARTMENT OF AGRICULTURE, AGRICULTURAL RESEARCH SERVICE, WESLACO, TEXAS. PUBLISHED IN APPLIED OPTICS, V.7, NO.9, SEPTEMBER 1968, P 1819-1838.
VR-A9-DO-000-00335	LIGHT REFLECTANCE AND CHLOROPHYLL AND CAROTENE CONTENTS OF GRAPEFRUIT LEAVES AS AffECTED BY Na2SO4, NaCl AND CaCl2. DAVID L. CARTER AND VICTOR I. MYERS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS. REPRINTED FROM PROCEEDINGS OF THE AMERICAN SOCIETY FOR HORTICULTURAL SCIENCE, VOL. 82, 1963, P.217-221.
VR-A9-DO-000-00336	PHOTOGRAMMETRY FOR DETAILED DETECTION OF DRAINAGE AND SALINITY PROBLEMS. V.I. MYERS, L.R. USSERY, AND W.J. RIPPERT, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS. REPRINTED FROM THE TRANSACTIONS OF THE ASAE, VOL. 6, NO. 4, 1963, P.332-334.
VR-A9-FH-032-00337	REMOTE SENSING FOR ESTIMATING SOIL SALINITY. VICTOR I. MYERS, DAVID L. CARTER, AND WILLIAM J. RIPPERT, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS, AND TWIN FALLS, IDAHO. PUBLISHED IN JOURNAL OF THE IRRIGATION AND DRAINAGE DIVISION, ASCE, V.92, NJ.IR4, DECEMBER 1966, P.59-68.
VR-A9-FH-032-00338	FACTORS AFFECTING LIGHT REFLECTANCE OF COTTON. PROCEEDINGS OF 4TH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, APRIL 12-14, 1966. P.305-312. J.R. THOMAS, V.I. MYERS, M.D. HEILMAN, AND C.L. WIEGAND, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS, STAR N67-13491.

## TECHNICAL REPORTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
VR-A9-FH-032-00339	REMOTE SENSING IN SOIL AND WATER CONSERVATION RESEARCH, PROCEEDINGS OF 4TH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, APRIL 12-14, 1966, P.801-813. V.I. MYERS, C.L. WIEGAND, M.D. HEILMAN AND J.R. THOMAS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-FH-032-00340	THERMAL PATTERNS OF SOLID FUEL BLOCK-HEATED CITRUS TREES. JOURNAL OF THE RIO GRANDE VALLEY HORTICULTURAL SOCIETY, VOL. 20, 1966. P.21-30. CRAIG WIEGAND, VICTOR MYERS, AND NORMAN MAXWELL, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-FH-032-00341	REFLECTANCE OF COTTON LEAVES AND ITS RELATION TO YIELD, REPRINTED FROM THE AGRONOMY JOURNAL, VOL.59, 1967, P.551-554 J.R. THOMAS, C.L. WIEGAND, AND V.I. MYERS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-30-000-00342	EFFECT OF INSOLANCE ON REFLECTANCE OF LIGHT. PROCEEDINGS OF 5TH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 16-18, 1968. P.291-297, HAROLD W. GAUSMAN AND RUBEN CARDENAS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-FH-032-00343	DETAILED PLANT AND SOIL THERMAL REGIME IN AGRONOMY. PROCEEDINGS OF 5TH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 16-18, 1968. P.325-342. CONTRACT NO. R-09-038-002. C.L. WIEGAND, M.D. HEILMAN, AND A.H. GERBERMANN, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-FH-032-00344	INFRARED AERIAL COLOR PHOTOGRAPHY FOR DETECTION OF POPULATIONS OF BROWN SCFT SCALE IN CITRUS GROVES. REPRINT FROM JOURNAL OF ECONOMIC ENTOMOLOGY, VOL. 61, NO. 3, JUNE 1968, P.617-624. W.G. HART AND V.I. MYERS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-FH-032-00345	INTERACTION OF LIGHT WITH A PLANT CANOPY. REPRINTED FROM JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, VOL. 58, NO. 8, P.1023-1028, AUGUST 1968. CONTRACT NO. 160-75-01-07-10, WILLIAM A. ALLEN AND ARTHUR J. RICHARDSON, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS,
VR-A9-FH-032-00346	EFFECT OF SOIL SALINITY ON EXTERNAL MORPHOLOGY OF COTTON LEAVES. REPRINTED FROM AGRONOMY JOURNAL, VOL. 60, SEPT.-OCT. 1968, P.566-567. CONTRACT NO. 150-75-01-07-10. HAROLD W. GAUSMAN AND RUBEN CARDENAS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.

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VR-A9-00-000-C0347	REFLECTANCE OF COTTON LEAVES AND THEIR STRUCTURE. REPRINT FROM REMOTE SENSING OF ENVIRONMENT, 1969, P.19-22. CONTRACT NO. 160-75-01-07-10. H.W. GAUSMAN, W.A. ALLEN, AND R. CARDENAS, U.S. DEPARTMENT OF AGRICULTURE, WESLACO, TEXAS.
VR-A9-GJ-000-00374	INFORMATION PROCESSING OF REMOTELY SENSED AGRICULTURAL DATA. K.S. FU, AND D.A. LANDGREBE, LABORATORY FOR AGRICULTURAL REMOTE SENSING, AND THE SCHOOL OF ELECTRICAL ENGINEERING, PURDUE UNIVERSITY, LAFAYETTE, INDIANA. REPRINTED FROM THE PROCEEDINGS OF THE IEEE, VOL. 57, NO. 4, APRIL 1969, PP.639-653.
VR-A9-EJ-027-00410	IMPERIAL VALLEY GROUND TRUTH FOR APOLLO 9 OVERFLIGHT OF MARCH 1969. REPORT NO. 2264-7-X. N. SPANSAIL, WILLOW RUN LABORATORIES, INSTITUTE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, MAY 1969.
VR-A9-GJ-000-00460	AN AGRICULTURAL REMOTE SENSING INFORMATION SYSTEM. DR. R.A. HOLMES, PURDUE UNIVERSITY, LABORATORY FOR REMOTE SENSING, LAFAYETTE, INDIANA, 1968. REPRINTED FROM EASCON 68 RECORD, P.142-149.
VR-A9-EJ-047-00470	AN APPROACH TO THE REMOTE DETECTION OF EARTH RESOURCES IN SUB-ARID LANDS. NASA TN D-4647. JEAN POUQUET, GODDARD SPACE FLIGHT CENTER, GREENBELT, MD. DECEMBER 1968.
VR-A9-GJ-000-00471	AIRPHOTO INTERPRETATION FOR SOIL STUDIES. RALPH W. KIEFER, WISCONSIN UNIVERSITY, ENGINEERING EXPERIMENT STATION, MADISON, WISCONSIN. DECEMBER 1966.
VR-A9-00-000-00537	A MULTICHANNEL IMAGE DATA HANDLING SYSTEM FOR AGRICULTURAL REMOTE SENSING. D.A. LANDGREBE AND T.L. PHILLIPS, PURDUE UNIVERSITY, LABORATORY FOR AGRICULTURAL REMOTE SENSING, LAFAYETTE, INDIANA. PRESENTED AT AND PUBLISHED BY COMPUTERIZED IMAGING TECHNIQUES, SEMINAR, WASHINGTON, D.C. JUNE 26-27, 1967.
VR-A9-00-000-00544	SPECTROPHOTOMETRIC AND COLORIMETRIC STUDY OF DISEASED AND RUST RESISTING CEREAL CROPS. NBS REPORT NO. 4591. H.J. KEEGAN, J.C. SCHLETER, AND W.A. HALL, U.S. DEPT. OF COMMERCE NATIONAL BUREAU OF STANDARDS, WASHINGTON, D.C. 1957.
VR-A9-00-000-00546	SOME POLARIZATION MEASUREMENTS OF THE REFLECTED SUNLIGHT FROM DESERT TERRAIN NEAR TUCSON, ARIZONA. FREDERICK G. FERNALD, ET. AL., UNIVERSITY OF ARIZONA, INSTITUTE OF ATMOSPHERIC PHYSICS, TUCSON, ARIZONA. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 8, NO. 4, AUG. 1969, PP.604-609.

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VR-A9-30-000-00575*	AERIAL METHODS OF STUDYING AND MAPPING SANDS. N.G. KHARIN, DESERT INSTITUTE OF THE TURKMEN SSR ACADEMY OF SCIENCES, MOSCOW. PUBLISHED IN VESTNIK SEL SKOKHOZYASTVENNOY NAUKI, RUSSIAN, NO. 6, 1969, PP.74-80, STAR N69-35169.
VR-A9-30-000-00582*	AERIAL PHOTOGRAPHY IN AGRICULTURE. G.H. BRENCHLEY, NATIONAL AGRICULTURAL ADVISORY SERVICE, CAMBRIDGE, ENGLAND. PUBLISHED IN AGRICULTURE, (MINISTRY OF AGRICULTURE, FISHERIES AND FOOD) LONDON, VOL. 77, NO. 11, NOV. 1968. PP.527-531.
VR-A9-30-000-00583*	AERIAL PHOTOGRAPHY FOR THE STUDY OF PLANT DISEASES. GEORGE H. BRENCHLEY, NATIONAL AGRICULTURAL ADVISORY SERVICE, CAMBRIDGE, ENGLAND. PRESENTED AT THE ANNUAL REVIEW OF PHYTOPATHOLOGY, VOL. 6, 1968. PP.1-22.
VR-A9-FH-032-07601*	GROUND TRUTH SUMMARY, APRIL-JULY, 1969 SITE 32, WESLACO, TEXAS. REPORT NO. 69-03. ALVIN H. GERBERMAN, JOE A. CUELLAR, AND ROSS W. LEAMER. U.S. DEPT. OF AGRICULTURE, WESLACO, TEXAS. DEC. 1969. CONTRACT NO. 160-75-01-07-10.
VR-A9-30-000-00620*	POTENTIAL BENEFITS TO BE DERIVED FROM APPLICATIONS OF REMOTE SENSING OF AGRICULTURAL, FOREST, AND RANGE RESOURCES. NASA CR-103946. DONALD J. BELCHER, ET AL., CORNELL UNIV., THE CENTER FOR AERIAL PHOTOGRAPHIC STUDIES, ITHACA, N.Y. DECEMBER 1967. CONTRACT NO. 12-17-04-1-326. STAR N69-34930
VR-A9-GJ-000-00642*	A TECHNIQUE FOR THE IDENTIFICATION OF FARM CROPS ON AERIAL PHOTOGRAPHS. M.S. GOODMAN, UNIVERSITY OF DETROIT, DEPT. OF GEOGRAPHY, DETROIT, MICHIGAN. PUBLISHED IN JOURNAL OF PHOTOGRAVIMETRIC ENGINEERING, VOL. 25, 1959. PP.131-137.
VR-A9-HJ-000-00675*	AERIAL PHOTOGRAPHIC METHODS OF PHOTO DISEASE DETECTION. FRANKLIN E. MANZER, AND GEORGE R. COOPER, UNIVERSITY OF MAINE, AGRICULTURAL EXPERIMENT STATION, ORONO, MAINE. PUBLISHED IN MAINE AGRICULTURAL EXPERIMENT STATION BULLETIN 646, MARCH 1967.
VR-A9-GJ-044-00717*	THE APPLICATION OF PATTERN RECOGNITION TECHNIQUES TO A REMOTE SENSING PROBLEM. D.A. LANDGREBE, P.J. MIN, P.H. SWAIN, AND K.S. FU., LABORATORY FOR AGRICULTURAL REMOTE SENSING PURDUE UNIVERSITY, LAFAYETTE, INDIANA, 1968. CONTRACT NO. 12-14-100-9502(20). PRESENTED AT THE 7TH SYMPOSIUM ON ADAPTIVE PROCESSES, LOS ANGELES, CALIFORNIA, DEC. 16-18, 1968.

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VR-A9-00-000-00718*	AIR POLLUTION DETECTIVES. CHARLES R. BERRY, ET AL., SOUTHEASTERN FOREST EXPERIMENT STATION, FOREST SERVICE ASHEVILLE, N.C., PUBLISHED IN THE YEARBOOK OF AGRICULTURE 1968, PP.142-146.
VR-A9-00-000-00740*	A DATA STORAGE SYSTEM FOR DESERT TERRAIN. AN INTERIM REPORT, MILITARY ENGINEERING EXPERIMENTAL ESTABLISHMENT, CHRISTCHURCH, HAMPSHIRE, ENGLAND. MARCH 1967. MICROFICHE COPY.
VR-A9-00-000-00755*	USING AERIAL PHOTOGRAPHY IN DIFFERENT SPECTRUM INTERVALS TO STUDY VEGETATION AND SOIL. REPORT NO. FSTC-HT-23-309-70. A.T. VINOGRADOVA, USSR, TRANSLATION OF GEOGRAFICHESKII SBORNİK, SSSR, VOL. 7, 1955. PP.59-74, MICROFICHE COPY. STAR N70-11718.
VR-A9-00-000-00760*	ORL EXPERIMENT PROGRAM. VOL. B. PART I - AGRICULTURE/FORESTRY. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD. FEB, 1966 CONTRACT NO. NASW-1215. STAR N66-17047.
VR-A9-00-000-00800*	USE OF AERIAL METHODS FOR THE STUDY OF TUNDRA LANDSCAPES AND FOR THEIR AGRICULTURAL UTILIZATION. V.N. ANDREEV, USSR. 1969. MICROFICHE COPY. STAR N70-10986.
VR-A9-00-000-00864*	AGRICULTURAL APPLICATIONS OF REMOTE MULTISPECTRAL SENSING. R.M. HOFFER, ET AL., PURDUE UNIVERSITY, LAFAYETTE, INDIANA. REPRINTED FROM PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE FOR 1966, VOL. 76, NO. 2966. 1967. PP.386-395.
VR-A9-00-000-00868*	REFLECTANCE AND INTERNAL STRUCTURE OF COTTON LEAVES, GOSSYPIUM HIRSUTUM L. A.W. GAUSMAN AND W.A. ALLEN, U.S. DEPT. OF AGRICULTURE, WESLACO, TEXAS. REPRINTED FROM AGRONOMY JOURNAL, VOL. 61, MAY-JUNE 1969. PP.374-376.
VR-A9-00-000-00870*	INTERACTION OF ISOTROPIC LIGHT WITH A COMPACT PLANT LEAF. W.A. 13LE5, AND H.W. GAUSMAN, ET AL., U.S. DEPT. OF OPTICAL SOCIETY OF AMERICA, VOL. 59, NO. 10, OCT. 1969, PP.1376-1379.
VR-A9-EJ-998-00910*	INVESTIGATION OF MULTISPECTRAL DISCRIMINATION TECHNIQUES. REPORT NO. 2264-12-F. RICHARD F. VALEPKA, UNIVERSITY OF MICHIGAN, INSTITUTE OF SCIENCE AND TECHNOLOGY, WILLOW RUN LABORATORIES, ANN ARBOR, MICHIGAN. JANUARY 1970. CONTRACT NUMBER 12-14-100-9548(20).

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ACCESSION NUMBER	DESCRIPTION
VR-A9-30-000-01004*	LEAF ANATOMY MONOGRAPH, PHOTOMICROGRAPHS OF LEAF TRANSECTIONS OF TWENTY-NINE PLANT GENERA, SWC RESEARCH REPORT 412, MARCIA SCHUPP, HAROLD W. GAUSMAN, AND RUBEN CARDENAS, U.S. DEPT. OF AGRICULTURE, SOIL AND WATER CONSERVATION RESEARCH DIV., WESLACO, TEXAS, DECEMBER 18, 1969, CONTRACT NUMBER 160-75-01-07-10.

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ACCESSION NUMBER	DESCRIPTION
NR-B5-30-000-00051	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-51, APPLICATIONS OF REMOTE SENSOR DATA TO CARTOGRAPHIC PROGRAMS. W. SIBERT, U.S.G.S., TOPOGRAPHIC DIVISION, MCLEAN, VIRGINIA, AUGUST 1966, CONTRACT NO. R-09-020-024, STAR X66-22138.
NR-B5-30-000-00054	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-54, POTENTIAL TIME-COST BENEFITS FROM USE OF ORBITAL-HEIGHT PHOTOGRAPHIC DATA IN CARTOGRAPHIC PROGRAMS. LOWELL E. STARR, U.S.G.S., TOPOGRAPHIC DIVISION, WASHINGTON, D.C., AND WINSTON SIBERT, U.S.G.S., TOPOGRAPHIC DIVISION, MCLEAN, VIRGINIA. AUGUST 1966. CONTRACT NUMBER R-09-020-024. STAR X66-21279.
NR-B5-30-000-00073	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-73, ULTRA-HIGH-PHOTOGRAPHY COMPILATION EVALUATION, ROBERT NUGENT, U.S.G.S., WASHINGTON, D.C. CONTRACT NO. R-09-020-024.
NR-B5-30-000-00079	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-79 RESOLUTION STUDY, ROBERT H. NUGENT AND HUGH B. LOVING, U.S.G.S., TOPOGRAPHIC DIVISION, WASHINGTON, D.C. MARCH 1967. CONTRACT NUMBER R-09-020-024.
NR-B5-GF-000-00087	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-87. A PHOTO-MOSAIC OF WESTERN PERU FROM GEMINI PHOTOGRAPHY. JULES A. MACKALLOR, U.S.G.S., WASHINGTON, D.C. OCTOBER 1967. CONTRACT NO. R-09-020-013. STAR X67-23758.
NR-B5-EJ-000-00111	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-111. PRELIMINARY SOIL CLASSIFICATION MAP OF SOUTHWESTERN U.S. AND MEXICO FROM SPACE PHOTOGRAPHY. ROGER B. MORRISON, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. CONTRACT NUMBER R-146-09-020-006. STAR N69-28395.
NR-B5-EJ-000-00114	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-114. A GEMINI MOSAIC ALONG THE THIRTY-SECOND DEGREE OF LATITUDE FROM BAJA CALIFORNIA TO CENTRAL TEXAS. JULES A. MACKALLOR, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. JUNE 1968. CONTRACT NUMBER R-09-020-013.
NR-B5-DJ-007-00124	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-124. PRELIMINARY EVALUATION OF INFRARED AND RADAR IMAGERY, WASHINGTON AND OREGON COASTS. PARKE D. SNAVELY, JR., AND NORMAN S. MACLEOD, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. SEPTEMBER 1968. CONTRACT NUMBER W-12589. STAR N69-25024.

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ACCESSION NUMBER	DESCRIPTION
VR-B5-EJ-998-00125	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-125. POTENTIAL OF RADAR REMOTE SENSORS AS TOOLS IN RECONNAISSANCE GEOMORPHIC, VEGETATION AND SOIL MAPPING. DAVID S. SIMONETT, CENTER FOR RESEARCH IN ENGINEERING SCIENCE, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. JULY 1968, CONTRACT NUMBER 14-08-0001-10848. STAR N69-28154.
VR-B5-00-000-00140	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-140, THE UTILITY OF RADAR AND OTHER REMOTE SENSORS IN THEMATIC LAND USE MAPPING FROM SPACECRAFT: ANNUAL REPORT. DAVID S. SIMONETT, UNIVERSITY OF KANSAS, DEPARTMENT OF GEOGRAPHY, LAWRENCE, KANSAS, JANUARY 1969, CONTRACT NO. R-09-020-024, STAR N69-16255.
VR-B5-00-000-00162	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-162. THE PHOTOGRAMMETRIC APPROACH TO THE GRIDDING OF SPACE PHOTOGRAPHS. GLENN N. SMITH, OHIO STATE UNIVERSITY, DEPT. OF GEODETIC SCIENCE, COLUMBUS, OHIO. CONTRACT NUMBER R-09-020-024.
VR-B5-4E-000-00172	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-172. ENVIRONMENT MAPPING WITH SPACECRAFT PHOTOGRAPHY - A CENTRAL AUSTRALIAN EXAMPLE. DAVID S. SIMONETT, G. ROSS COCHRANE, STANLEY A. MORAIN, AND DWIGHT E. EGBERT, UNIVERSITY OF KANSAS, DEPT. OF GEOGRAPHY, LAWRENCE, KANSAS, JUNE 1969, CONTRACT NUMBER W-1257C.

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ACCESSION NUMBER	DESCRIPTION
VR-B7-00-000-00043	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES, GEODESY-CARTOGRAPHY-NO. 3. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909.

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SUBJECT RELATED DOCUMENTS - CARTOGRAPHY

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NR-B8-30-000-00015	OFFICIAL REPORT OF THE U.S. DELEGATION TO THE UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE FOR AFRICA JULY 1-13, 1963 STAR N69-75182
NR-B8-30-000-00194	AMERICAN MAPPING CAMERAS. CLARICE L. NORTON, FAIRCHILD SPACE AND DEFENSE SYSTEMS, SYOSSET, N.Y. PRESENTED AT THE 10TH CONGRESS, INTERNATIONAL SOCIETY OF PHOTOGRAVIMETRY, LISBON, PORTUGAL, SEPT. 7-9, 1964. STAR X68-80528.
NR-B8-30-000-00197*	ALPHABETICAL LIST OF ARTICLES PUBLISHED IN GEOFIZIKA I KARTOGRAFIYA IN 1967. REPORT NO. FSTC-HT-23-707-68. 1968. MICROFICHE COPY.
NR-B8-30-000-00208*	CARTOGRAPHY, 1967. L.S. GARAEVSKAYA, U.S. NAVY DEPT., NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. REPRINTED FROM KARTOGRAFIYA, 1955. PF.143-155. MICROFICHE COPY. STAR N69-71090.
NR-B8-30-000-00233*	SURVEYING THE EARTH'S RESOURCES FROM SPACE. W.T. PICORA, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT THE 27TH ANNUAL MEETING OF THE AMERICAN CONGRESS ON SURVEYING AND MAPPING, WASHINGTON, D.C., MARCH 10, 1967. MICROFICHE COPY.
NR-B8-30-000-00289*	POSITION DETERMINATION FROM RADIO BEARINGS. NELSON M. BLACHMAN, SYLVANIA ELECTRONIC SYSTEMS, MT. VIEW, CALIF. SYSTEMS, VOL. AES-5, NC, 3, MAY 1969. PP.558-560. MICROFICHE COPY.

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**SECTION 09 TECHNICAL REPORTS**

## TECHNICAL REPORTS - CARTOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-B9-SJ-000-00030*	A DIVERSIFIED PROGRAM FOR THE STUDY OF SHALLOW WATER SEARCHING AND MAPPING TECHNIQUES. FINAL REPORT. GEORGE F. BASS, AND DONALD M. ROSENCRANTZ, UNIVERSITY OF PENNSYLVANIA, UNIVERSITY MUSEUM, PHILADELPHIA, PA. NOV. 1968. CONTRACT NUMBER N00014-67-A-0216-002. MICROFICHE COPY.
VR-B9-JO-000-00032*	NATION-WIDE APPLICATION OF AEROTRIANGULATION. G. TEWINKEL, ESSA COAST AND GEODETIC SURVEY, ROCKVILLE, MARYLAND. PRESENTED AT THE AMERICAN PHOTOGRAHMETRIC SOCIETY-AMERICAN CONGRESS OF SURVEYING AND MAPPING, PORTLAND, OREGON, SEPT. 1969. PP.296-315 IN CONVENTION PROCEEDINGS.
VR-B9-JO-000-00062*	A MODERN SYSTEM FOR AERIAL MAPPING. REPORT NO. GIMRADA-TN-67-2, ROBERT G. LIVINGSTON, U.S. ARMY ENGINEER GEOODESY INTELLIGENCE AND MAPPING RESEARCH AND DEVELOPMENT AGENCY, WRIGHT-PATTERSON AFB, OHIO. PUBLISHED IN MILITARY ENGINEER, NO. 389, MAY-JUNE 1967. PP.172-173.
VR-B9-FJ-998-00093*	LAND USE MAPPING OF THE SOUTHWESTERN UNITED STATES FROM SATELLITE IMAGERY. NORMAN J. THROWER, ET AL., UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO. OCTOBER 1969. PAPER AAS 69-576. MICROFICHE COPY.
VR-B9-JO-COP-00161*	COORDINATE METHOD IN ANALYTICAL RADIAL TRIANGULATION. LIU HSIEN-LIN, CHINA. PUBLISHED IN ACTA GEODETICA ET CARTOGRAPHICA SINICA, VOL. 7, NO. 4. 1964. PP.261-274. MICROFICHE COPY.
VR-B9-JO-000-00210*	ACCURACY OF SIGHTING AND IDENTIFYING POINTS DURING MEASUREMENTS OF THEIR COORDINATES FROM AERIAL PHOTOGRAPHS. N.M. FILCHAGIN, USSR. PUBLISHED IN GEODEZIIA I KARTOGRAFIJA, VOL. 14, NO. 6, 1969. PP.38-46. MICROFICHE COPY.
VR-B9-VK-000-00211*	PHOTOGRAMMETRIC CONTOURING FROM AERIAL COLOUR PHOTOGRAPHS. J. DENZLER. TOPOGRAPHICAL SURVEY OF SWITZERLAND. PRESENTED AT INTERNATIONAL CONGRESS OF PHOTOGRAMMETRY, 11TH, LAUSANNE, SWITZERLAND. JULY 1968. PUBLISHED IN INTERNATIONAL ARCHIVES OF PHOTOGRAMMETRY, VOL. 17, PART 9, 1969.
VR-B9-SH-095-00217	COLOR-SEPARATION AND PRINTING TECHNIQUES FOR PHOTOMAPS. JACK W. PUMPELLY, U.S. GEOLOGICAL SURVEY. 1967. PUBLISHED IN SURVEYING AND MAPPING, VOL. 27, NO. 2, 1967. PP.277-280.

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VR-B9-EJ-C76-00252 THE CORRELATION OF RADAR SCATTEROMETER DATA WITH AERIAL TERRAIN PHOTOGRAPHY. CRES TECHNICAL REPORT 118-13. J.M. CULLEN AND G.A. BRADLEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1968, REVISED MARCH 1969. CONTRACT NUMBER NAS 9-7175. STAR N69-32711

VR-B9-DO-000-00258 A TECHNIQUE FOR PREPARING DESERT TERRAIN ANALOGS. HANDBOOK. TR 3-506. U.S. ARMY ENGINEER, CORPS OF ENGINEERS, WATERWAYS EXPERIMENT STATION, VICKSBURG, MISSISSIPPI. MAY 1959, CONTRACT NO. R AND D 8-70-09-400.

VR-B9-DO-000-00261 THE USE OF AERIAL PHOTOGRAPHS FOR MAPPING AND RESOURCE SURVEYS IN DEVELOPING COUNTRIES. ANDREW N. NASH, UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.

VR-B9-DO-000-00263 SATELLITE MAPPING FOR EARTH RESOURCES SURVEYS. H. BERNSTEIN AND P.M. MERIFIELD, TRW SYSTEMS, REDONDO BEACH, CALIFORNIA. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.

VR-B9-DO-000-00264 A UNIVERSAL PRECISION PLOTTER. DIETER ZEUNER, DIPLO. ING. CARL ZEISS, JENA, GERMANY. D.D.R. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.

VR-B9-DO-000-00265 AEROTRIANGULATION PROGRAM AT THE INTERNATIONAL CONGRESS. G.C. TEWINKEL, ESSA COAST AND GEODETIC SURVEY, ROCKVILLE, MD. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.

VR-B9-EJ-998-00303 THE USE OF MULTIPARAMETER RADAR IMAGERY FOR THE DISCRIMINATION OF TERRAIN CHARACTERISTICS. CRES TECHNICAL REPORT 61-19. R.D. ELLERMEIER, D.S. SIMONETT AND L.F. DELLWIG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSR-17-00-003 AND NSG-298. PUBLISHED IN THE 1967 IEEE INTERNATIONAL CONVENTION RECORD, PART 2, P 127-135.

VR-B9-DO-000-00327 POTENTIAL OF RADAR REMOTE SENSORS AS TOOLS IN RECONNAISSANCE GEOMORPHIC, VEGETATION AND SOIL MAPPING. D.S. SIMONETT, UNIVERSITY OF KANSAS, DEPARTMENT OF GEOGRAPHY, LAWRENCE, KANSAS. CONTRACT NUMBER USGS 14-08-0001-10848. PUBLISHED IN PROCEEDINGS, 9TH CONGRESS, INTERNATIONAL SOIL SCIENCE SOCIETY, ADELAIDE, AUSTRALIA, AUGUST 6-16, 1968.

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ACCESSION NUMBER	DESCRIPTION
VR-B9-00-000-00370	RADAR RESOLUTION AND FIDELITY TESTING: THE ELGIN AFB, WRIGHT PATTERSON AFB AND FORT HUACHUCA RADAR TESTING RANGES, CRES TECHNICAL MEMORANDUM 118-13, GARY C. THOMANN, THE UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. JUNE 1969. CONTRACT NUMBER NAS 9-7175.
VR-B9-00-000-00443	AIRBORNE RADIOMETRIC SURVEYING-OFFICE AND FIELD TECHNIQUES. (RME-129 REV), THOMAS L. BOYLE, U.S. ATOMIC ENERGY COMMISSION, GRAND JUNCTION, COLORADO. JULY 1963.
VR-B9-00-000-00461	IDENTIFICATION OF CONTROL POINTS IN TERRAIN AND IN AERIAL PHOTOGRAPHS. JIRI SIMA, GEODETIC INSTITUTE, PRAGUE, CZECH-OSLOVAKIA. REPRINT FROM GEODETIC AND CARTOGRAPHIC HORIZON, VOL. 8/50, NO. 6, PRAGUE, JUNE 1962, P.102-107. STAR NO. X63-10251.
VR-B9-00-000-00464	DIE VERWENDUNG EINES 35-GHZ-RADIOMETERS ZUR KARTOGRAPHIE VOM FLUGZEUG AUS. ENGLISH TRANSLATION - THE USE OF A 35 GHZ RADIOMETER FOR MICROWAVE GROUNDMAPPING. F. SCHLUDE, GERMANY. MAY 1968. STAR N68-30499.
VR-B9-00-000-00465	BEITRAG ZUR VERWENDUNG DES STEREOTOP FUR DIE HERSTELLUNG TOPOGRAPHISCHER KARTEN. ALFONS HABERMAYER, SONDERDRUCK AUS DEM MITTEILUNGSBLATT DES DEUTSCHEN VEREINS FUR VERMESSUNG-SWESEN, LANDESVEREIN BAYERN, GERMANY. 1967. STAR N68-84243
VR-B9-00-000-00475	SOVIET USE OF RADIOGEODESIC STATIONS (RGSTS) IN MAKING TOPOGRAPHIC MAPS. M.D. KCSHIN AND N.D. NAZAROV, USSR. PUBLISHED IN GEODEZIYA I KARTOGRAFIA. JUNE 1962. P.37-46 MICROFICHE COPY.
VR-B9-00-000-00477	ON SEARCHING A CONTOUR MAP FOR A GIVEN TERRAIN ELEVATION PROFILE. H. FREEMAN, DEPARTMENT OF ELECTRICAL ENGINEERING, NEW YORK UNIVERSITY, BRONX, NEW YORK, AND S.P. MORSE, IBM THOMAS J. WATSON RESEARCH CENTER, YORKTOWN HEIGHTS, NEW YORK. PUBLISHED IN THE JOURNAL OF THE FRANKLIN INSTITUTE. VOL. 284, NO. 1, JULY 1967. PP.1-23.
VR-B9-00-000-00568*	PHOTOGRAMMETRIC MAPPING USING VERTICALITY DATA. FINAL REPORT, MARCH 23-MAY 23, 1962. ARTHUR J. BRANDENBERGER, OHIO STATE UNIVERSITY, COLUMBUS, OHIO. CONTRACT NUMBER AF 08-(614)-3188. STAR N68-80480. MICROFICHE COPY.
VR-B9-00-000-00585	USE OF HIGH-ALTITUDE JET PHOTOGRAPHY FOR TOPOGRAPHIC MAPPING. ROBERT E. ALLENHOFEN, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. 1969.

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ACCESSION NUMBER	DESCRIPTION
VR-B9-EJ-998-00587	ALL-WEATHER MAPPING BY RADAR, A.A. NIMS, DEFENSE AND SPACE CENTER, WESTINGHOUSE ELECTRIC CORP., BALTIMORE, MD. REPRINT FROM WESTINGHOUSE ENGINEER, VOL. 28, MAY 1968, PP.76-81.
VR-B9-30-000-00607	H.F. IONOSPHERIC RADAR GROUND-SCATTER MAP SHOWING LAND-SEA BOUNDARIES BY A SPECTRAL-SEPARATION TECHNIQUE; J.C. BLAIR AND L.L. MELANSON, ESSA RESEARCH LABORATORIES, BOULDER COLORADO. PUBLISHED IN ELECTRONICS LETTERS, VOL. 5, NO. 4, FEB. 1969. PP.75-76.
VR-B9-30-000-00618*	AERIAL PHOTOGRAPHY USED IN MAPPING VEGETATION AND SOILS. TRANSLATED FROM RUSSIAN BOOK, OPYT KARTIROVANIYA RASTITEL NOSTI I POCHV PO AEROSNIMKAM, 1964, B.V. VINOGRADOV, USSR.
VR-B9-30-000-00668*	APPLICATION OF SMALL AERIAL CAMERAS TO THE COMPIRATION OF 1:25,000 SCALE TOPOGRAPHIC MAPS, V. YE. PERMITIN AND A.S. SUDAKOV, ARMY FOREIGN SCIENCE AND TECHNOLOGY CENTER, WASH. D.C. TRANSLATED FROM RUSSIAN, PUBLISHED IN GEODEZIYA I KARTOGRAFIYA, NO. 7, 1968. PP.46-52. MICROFICHE COPY. STAR N69-33118,
VR-B9-30-000-00751*	USE OF ELECTRONIC COMPUTERS IN TOPOGRAPHIC AND GEODETIC WORK, REPORT NO. FSTC-HT-23-713-68, L.A. KASHIN, USSR. TRANSLATION OF GEODEZIYA I KARTOGRAFIYA, NO. 5, 1968. PP.13-19. MICROFICHE COPY.
VR-B9-30-000-00802*	PHOTOGRAMMETRIC EQUIPMENT. EDITED TRANSLATION OF MONOGRAPH V/O MASHPRIBORINTORG. APPAREILS POUR LA PHOTOGRAMMETRIE. MOSCOW, N.D. PP.1-11. MICROFICHE COPY.
VR-B9-30-000-00806*	RESULTS OF EXPERIMENTAL WORK OF THE TSNIIIGAIK (CENTRAL SCIENTIFIC RESEARCH INSTITUTE OF GEODESY, AERIAL MAPPING AND CARTOGRAPHY) ON LARGE-SCALE SURVEYS. N.A. SOKOLOVA, USSR. TRANSLATION OF GEODEZIYA I KARTOGRAFIYA, NO. 7, 1968. PP.35-45. MICROFICHE COPY.
VR-B9-30-000-00807*	SOVIET AERIAL PHOTOGRAPHY AND OTHER TOPOGRAPHIC, GEODETIC AND CARTOGRAPHIC SURVEYS IN THE ANTARCTIC. B.V. DUBOVSKOY, USSR. TRANSLATION OF GEODEZIYA I KARTOGRAFIYA, NO. 6, 1966. PP.51-61. MICROFICHE COPY.
VR-B9-30-000-00808*	GEOODESY AND CARTOGRAPHY, NO. 3, 1966 (SELECTED ARTICLES). E.I. OSIPOV, M.V. OSTRCVSKIY, AND E.R. MALOV, USSR. TRANSLATION OF GEODEZIYA I KARTOGRAFIYA, NO. 3, 1966. PP.50-55. MICROFICHE COPY.

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ACCESSION NUMBER	DESCRIPTION
VR-B9-90-000-00809*	SOVIET PHOTOGRAMMETRY, (SURVEYS OF FOREIGN SCIENCE AND TECHNICAL LITERATURE), ALEXANDER BOBROVSKY, LIBRARY OF CONGRESS, AF SPACE TECHNOLOGY DIV., WASHINGTON, D.C., JUNE 1969. MICROFICHE COPY. STAR N69-41250.
VR-B9-90-000-00862*	GRUNDLAGEN, BEARBEITUNG UND HERSTELLUNG GROSSMASSTABIGER LUFTBILDKARTEN. (FUNDAMENTALS, PROCESSING AND MANUFACTURE OF LARGE SCALE AEROPHOTOGRAPHIC MAPS). RUDOLF SCHWEISSTHAL, TECHNISCHE HOCHSCHULE HANNOVER, WEST GERMANY, FAKULTAT FUR BAUWESEN. 1967. STAR N69-11041.
VR-B9-90-000-00932*	MARKING OF GEODESIC POINTS IN OPEN MOUNTAIN REGIONS. M.S. KRYUGER, USSR. TRANSLATED FROM GEODEZIYA I KARTOGRAFIYA, NO. 11, 1965. PP. MICROFICHE COPY.
VR-B9-90-000-00934*	EXPERIENCE IN LARGE-SCALE LANDSCAPE INTERPRETATION AND MAPPING OF KEY SECTORS IN THE ARID AND SUBARID ZONES OF CENTRAL ASIA AND KAZAKHSTAN. B.V. VINOGRADOV, UGSR, AUGUST 1968. STAR N70-10842. MICROFICHE COPY.
VR-B9-90-000-01037*	APPLICATION OF AERIAL PHOTOGRAPHS IN GEOMORPHOLOGY. FRITZ FEZER, HEIDELBERG UNIVERSITY, WEST GERMANY. PUBLISHED IN BILDMESSUNG UND LUFTBILDSYSTEME, VOL. 37, JULY 1969. PP. 161-165.

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**AND SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - FORESTRY

ACCESSION NUMBER	DESCRIPTION
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VR-C4-E-901-B0097	MISSION NO. 97 SITES 901
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**SECTION 05 TECHNICAL LETTER REPORTS**

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ACCESSION NUMBER	DESCRIPTION
VR-C5-4K-CPO-00199	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-169. THE EMPLOYMENT OF WEATHER SATELLITE IMAGERY IN AN EFFORT TO IDENTIFY AND LOCATE THE FOREST-TUNDRA ECOTONE IN CANADA. SUSAN A. ALDRICH, FRANK T. ALDRICH, AND ROBERT D. RUDD, OREGON STATE UNIVERSITY, CORVALLIS, OREGON, SEPTEMBER 1969. CONTRACT NUMBER W-12589.

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### **SECTION 08 SUBJECT RELATED DOCUMENTS**

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SUBJECT RELATED DOCUMENTS - FORESTRY

ACCESSION NUMBER	DESCRIPTION
VR-C8-30-000-00174	FORESTERS GUIDE TO AERIAL PHOTO INTERPRETATION. AGRICULTURAL HANDBOOK 308. T. EUGENE AVERY, DEPT. OF FORESTRY, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS. OCTOBER 1966.
VR-C8-30-000-00175	IDENTIFICATION OF TREE SPECIES ON LARGE-SCALE PANCHROMATIC AND COLOR AERIAL PHOTOGRAPHS. R.C. HELLER, G.E. DOVERSPIKE, AND R.C. ALDRICH, FOREST INSECT LAB., U.S. DEPT. OF AGRICULTURE, BELTSVILLE, MD. PUBLISHED IN AGRICULTURE HANDBOOK NO. 261. JULY 1964.

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**SECTION 09 TECHNICAL REPORTS**

## TECHNICAL REPORTS - FORESTRY

ACCESSION NUMBER	DESCRIPTION
VR-C9-3J-000-00004*	APPRAISING AND MAPPING FUELS WITH AERIAL PHOTOGRAPHS, H. GYDE LUND, PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION, SEATTLE, WASHINGTON, PAPER PRESENTED AT ASP-ACSM, 1969 FALL CONVENTION, PORTLAND, OREGON, SEPT. 1969, PP.173-180.
VR-C9-3J-159-00039	FIELD STUDIES ON VEGETATION AT HORSEFLY MOUNTAIN, OREGON AND ITS RELATION TO RADAR IMAGERY, CRES REPORT NO. 61-22, STANLEY A. MORAIN, REMOTE SENSING LABORATORY CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. CONTRACT NOS. NSG-298 AND NSR-17-004-003, STAR N67-36024.
VR-C9-VJ-000-00051*	POSSIBILITIES OF EMPLOYING ARTIFICIAL SATELLITES IN ITALY FOR FOREST FIRE DETECTION AND WARNING, RAFFAELLO BRUNO, DEPT. OF AGRICULTURE AND FORESTRY, ROME, ITALY, AND UMBERTO GHEZZI, C.N.R., POLITECNICO DE MILANO, MILAN, ITALY, 1969. STAR N70-10952, MICROFICHE COPY.
VR-C9-30-000-00107*	APPLICATIONS OF EARTH CRBITAL REMOTE SENSING TO FOREST AND RANGE PROBLEMS, AAS PAPER 69-059. ROBERT V. COLWELL, UNIVERSITY OF CALIFORNIA, FORESTRY REMOTE SENSING LAB., BERKELEY, CALIFORNIA. JUNE 1969. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY AND OPERATIONS RESEARCH SOCIETY OF AMERICA, JOINT NATIONAL MEETING, DENVER, COLORADO, JUNE 1969.
VR-C9-30-000-00193*	DIRECT DETERMINATION OF AREA DISTRIBUTION BASED UPON TOPOGRAPHIC FEATURES BY MEANS OF THE WILD B9 AVIOPHOTO. Z. TOMASEGOVIC, INSTITUTE FOR SURVEYING, FORESTRY, FACULTY, ZAGREB, YUGOSLAVIA. PUBLISHED IN PHOTOGAMMETRIA, VOL. 23, NO. 4, JULY 1968, PP.125-137.
VR-C9-30-000-00194*	VOLUME ASSESSMENT THROGH AERIAL PHOTOGRAPHS IN A FOREST AREA IN BELGIUM. D.A. STELLINGWERF, INTERNATIONAL INST. FOR AERIAL SURVEY AND EARTH SCIENCES, DELFT, THE NETHERLANDS. PUBLISHED IN PHOTOGAMMETRIA, VOL. 22 NO. 5, JULY 1967, PP.161-169.
VR-C9-30-000-00209*	PHOTO-INTERPRETATION IN FOREST TYPE MAPPING AND INVENTORY, P.N. GUPTA, INTERNATIONAL INSTITUTE FOR AERIAL SURVEY AND EARTH SCIENCES, DELFT, NETHERLANDS. AUGUST 1969. PUBLICATIONS SERIES B, NO. 55. MICROFICHE COPY. STAR N70-12911.

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ACCESSION NUMBER	DESCRIPTION
VR-C9-EJ-000-00260	COLOR NEGATIVES ON THE COCONINO NATIONAL FOREST. CHARLES D. GALBREATH, U.S. FOREST SERVICE, SOUTHWESTERN REGION, ALBUQUERQUE, NEW MEXICO, PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAHAMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.
VR-C9-GJ-000-00268	COLOR PHOTOGRAPHY FOR APPRAISAL SURVEYS OF THE SOUTHERN PINE BEETLE IN THE SOUTHEAST. W.M. CIESLA, U.S. FOREST SERVICE, SOUTHEAST AREA, DIVISION OF FOREST PEST CONTROL, PINEVILLE, LOUISIANA. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAHAMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPTEMBER 29-OCTOBER 3.
VR-C9-DK-000-00373	INFRARED LOCATES DISEASED TREES. (REPRINTED FROM ELECTRONICS WORLD, AUGUST 1969 PP. 34-35). ROBERT NEUBERT, AMPLEX CORP., REDWOOD CITY, CALIFORNIA.
VR-C9-DJ-000-00375	SOME OBSERVATIONS ON THE USE OF MULTIBAND SPECTRAL RECONNAISSANCE FOR THE INVENTORY OF WILDLAND RESOURCES. REPRINTED FROM REMOTE SENSING OF ENVIRONMENT, VOL. 1, NO. 1, MARCH 1969, JERRY D. LENT AND GENE A. THORLEY, UNIVERSITY OF CALIFORNIA, SCHOOL OF FORESTRY AND CONSERVATION, BERKELEY, CALIFORNIA.
VR-C9-DO-000-00466	PRESENT AND FUTURE FORESTRY APPLICATIONS OF REMOTE SENSING FROM SPACE. WILLIAM C. DRAEGER AND DONALD T. LAUER, FORESTRY REMOTE SENSING LABORATORY, UNIVERSITY OF CALIF. BERKELEY, CALIFORNIA. PUBLISHED AS AIAA PAPER NO. 67-765, 4TH ANNUAL MEETING AND TECHNICAL DISPLAY, OCTOBER 23-27, 1967, ANAHEIM, CALIFORNIA
VR-C9-DJ-000-00468	ESTIMATING TREE MORTALITY FROM APOLLO 9 IMAGERY. JOHN F. WEAR, U.S. FOREST SERVICE, PORTLAND, OREGON, SEPTEMBER 1969.
VR-C9-HK-000-00541	A TEST WITH LARGE SCALE AERIAL PHOTOGRAPHS TO SAMPLE BALSAM WOOLLY APHID DAMAGE IN THE NORTHEAST. R.C. HELLER, J.H. LOWE, R.C. ALDRICH, ET AL., PACIFIC SOUTHWEST FORESTRY AND RANGE EXPERIMENT STATION, BERKELEY, CALIFORNIA. REPRINTED FROM JOURNAL OF FORESTRY, VOL. 65, NO. 1, JAN. 1967, PP. 10-18.
VR-C9-DO-000-00561*	AN ANALYSIS OF MEASUREMENTS OF LIGHT REFLECTANCE FROM TREE FOLIAGE MADE DURING 1960 AND 1961. CHARLES E. OLSON, ET AL., UNIVERSITY OF ILLINOIS, AGRICULTURAL EXPERIMENT STATION, DEPT. OF FORESTRY, URBANA, ILLINOIS. JUNE 1964. CONTRACT NUMBER NONR-1834(31). MICROFICHE COPY. STAR N65-81674.

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ACCESSION NUMBER	DESCRIPTION
VR-C9-30-000-00565*	EXPERIMENT IN MARKING CONTROL POINTS IN A FOREST. G.N. TIMUSHEV, U.S. AIR FORCE, AERONAUTICAL CHART AND INFORMATION CENTER, CARTOGRAPHY DIV., ST. LOUIS, MISSOURI, SEPT. 1968. STAR N69-15885. MICROFICHE COPY.
VR-C9-30-000-00599*	STRATIFYING PHOTO PLOTS INTO VOLUME CLASSES. U.S. FOREST SERVICE RESEARCH NOTE PSW-11. ROBERT C. ALDRICH, PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION, BERKELEY, CALIFORNIA. 1967.
VR-C9-30-000-00605	WEDGE MEASURES PARALLAX SEPARATIONS...ON LARGE-SCALE 70-MM. AERIAL PHOTOGRAPHS. REPORT NUMBER PSW-142, STEVEN L. WERT AND RICHARD J. MYHRE, PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION, BERKELEY, CALIFORNIA. 1967.
VR-C9-30-000-00608*	PRACTICAL APPLICATIONS OF AERIAL PHOTOGRAPHS IN FORESTRY AND OTHER VEGETATION STUDIES. (PUBLISHED IN ENGLISH, FRENCH AND SPANISH) D.A. STELLINGWERF, INTERNATIONAL TRAINING CENTER FOR AERIAL SURVEY, DELET, NETHERLANDS, PUBLISHED IN I.T.C. PUBLICATION SERIES B, NO. 38, 1966. STAR N67-12851.
VR-C9-30-000-00625*	DETECTION AND CLASSIFICATION OF ASH DIEBACK ON LARGE-SCALE COLOR AERIAL PHOTOGRAPHS. U.S. FOREST SERVICE RESEARCH PAPER PSW-35. RALPH J. CROXTON, PACIFIC SOUTHWEST FORESTRY AND RANGE EXPERIMENT STATION, BERKELEY, CALIFORNIA. 1966.
VR-C9-30-000-00679*	RECOGNITION OF TREE SPECIES ON AIR PHOTOGRAPHS BY CROWN CHARACTERISTICS. L. SAYN-WITTGENSTEIN, DEPT. OF FORESTRY, CANADA. PUBLISHED IN CANADA, DEPT. OF FORESTRY AND RURAL DEVELOPMENT, FORESTRY BRANCH TECHNICAL NOTE NO. 95. 1960.
VR-C9-30-000-00680*	TREE MEASUREMENTS ON LARGE-SCALE, VERTICAL, 70MM. AIR PHOTOGRAPHS. FOREST RESEARCH BRANCH CONTRIBUTION NO. 591, F.W. KIPPEN AND L. SAYN-WITTGENSTEIN, DEPT. OF FORESTRY, FOREST RESEARCH BRANCH, OTTAWA, CANADA. 1964.
VR-C9-30-000-00681*	PHENOLOGICAL AIDS TO SPECIES IDENTIFICATION ON AIR PHOTOGRAPHS. DEPT. OF FORESTRY, FOREST RESEARCH BRANCH, TECHNICAL NOTE 104. L. SAYN-WITTGENSTEIN, DEPT. OF FORESTRY, FOREST RESEARCH BRANCH, OTTAWA, CANADA. 1961.
VR-C9-30-000-00688*	AVIONICS IN FOREST RESOURCE INVENTORIES. L. SAYN-WITTGENSTEIN AND A.H. ALDRED, DEPT. OF FORESTRY AND RURAL DEVELOPMENT, OTTAWA, CANADA. PUBLISHED IN CANADIAN AERONAUTICS AND SPACE JOURNAL, VOL. 14, NO. 8, OCT. 1968. PP.315-317.

## TECHNICAL REPORTS - FORESTRY

ACCESSION NUMBER	DESCRIPTION
VR-C9-GJ-125-00722*	STRATIFYING STAND VOLUME IN NON-STEREO AERIAL PHOTOS = REDUCES ERRORS IN FOREST SURVEY ESTIMATES. REPORT NO. PSW-51. ROBERT C. ALDRICH AND NANCY X. NORICK, PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION, BERKELEY, CALIF., 1969, STAR N70-13254.
VR-C9-JL-000-00742*	AERIAL PHOTOGRAPHY AND MAPPING OF THE SIBERIAN FOREST, G.P. MOTOVILOV, RUSSIA. TRANSLATION OF MONOGRAPH, AERO-FOTOSEMKA I KARTOGRAFIYAROVANIE, MOSCOW 1966. MICROFICHE COPY. STAR N70-11720.
VR-C9-JO-000-00749*	SWAMPY FOREST ZONE TERRAIN. REPORT NO. FSTC-HT-23-736-69, E.A. GALKINA, RUSSIA. TRANSLATION OF GEOFIZICHESKII SBORNIK (USSR) VOL. 7, 1955. PP.75-84. MICROFICHE COPY. STAR N70-11486.
VR-C9-JO-000-00750*	USE OF AERIAL PHOTOGRAPHY IN STUDYING FOREST TYPES. REPORT NO. FSTC-HT-23-285-68, G.G. SAMOLOVICH, ACADEMY OF SCIENCES, RUSSIA. 1961. MICROFICHE COPY.
VR-C9-JO-000-00775*	INFRARED FIREMAPPER DETECTOR AND ITS ROLE IN FOREST FIRE CONTROL. J.E. TAYLOR, COMPUTING DEVICES OF CANADA, VOL. 69, NO. 20, OCTOBER 1968. PP.87-91.
VR-C9-EJ-000-00846*	INFRARED PINPOINTS FIRES THROUGH A SEA OF SMOKE. CRAIG C. CHANDLER, U.S. FOREST SERVICE, WASHINGTON, D.C. PUBLISHED IN THE YEARBOOK OF AGRICULTURE 1968. PP.208-217.
VR-C9-JO-000-00856*	RADIANT ENERGY IN RELATION TO FORESTS. USDA FOREST SERVICE TECHNICAL BULLETIN NO. 1344. WILLIAM E. REIFSNYDER, YALE UNIVERSITY, NEW HAVEN, CONN. AND HOWARD W. LULL, NORTH-EASTERN FOREST EXPERIMENT STATION, UPPER DARBY, PA. U.S. DEPT. OF AGRICULTURE, FOREST SERVICE, WASHINGTON, D.C. DEC, 1965.
VR-C9-EJ-000-00874*	AERIAL PHOTOGRAPHIC TECHNIQUES FOR ESTIMATING DAMAGE BY INSECTS IN WESTERN FORESTS. J.F. WEAR, R.B. POPE, AND ROBERT B. POPE, U.S. FOREST SERVICE, PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION, PORTLAND, OREGON. 1966.
VR-C9-JO-000-00924*	USE OF AERIAL METHODS FOR STUDYING ZONAL AND REGIONAL LANDSCAPE PATTERNS. V.P. MIROSHNICHENKO, USSR. SEPT, 1968. MICROFICHE COPY.

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ACCESSION NUMBER	DESCRIPTION
VR-C9-30-000-00928*	KODAK EKTACHROME INFRARED AERO FILM FOR FORESTRY PURPOSES. D.A., STELLINGWERF, INTERNATIONAL INSTITUTE FOR AERIAL SURVEY AND EARTH SCIENCES, DELFT, NETHERLANDS. PUBLICATIONS SERIES B NO. 54, MARCH 1969. STAR V70-10556, MICROFICHE COPY.
VR-C9-30-000-00975*	PROJECT FIRE SCAN, FIRE MAPPING, FINAL REPORT, APRIL 1962 - DECEMBER 1966. THE USE AND SYSTEM REQUIREMENTS OF INFRARED SCANNERS IN MAPPING WILDFIRES. J.S. FOREST SERVICE RESEARCH PAPER INT-49, 1968. STANLEY N. HIRSCH, U.S. FOREST SERVICE, NORTHERN FOREST FIRE LAB., MISSOULA, MONTANA. ROBERT L. BJORNSEN, U.S. FOREST SERVICE, DIV. OF FIRE CONTROL, WASH., D.C., ET AL., 1968. CONTRACT NUMBERS OCD-DS-62-174 AND OCD-PS-66-17.

# **GEOGRAPHY**

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### **SECTION 01 SITE MAPS**

## SITE MAPS - GEOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-D1-EJ-014-00256	HIGH ALTITUDE AIRCRAFT, EL PASO TO TUCSON	REGIONAL	17 X 22
VR-D1-EJ-015-00258	HIGH ALTITUDE AIRCRAFT, EL PASO TO TUCSON	REGIONAL	17 X 22
VR-D1-EJ-027-00168	SITE 130-SOUTHERN CALIFORNIA SITE 027-SALTON SEA, CALIFORNIA SITE 157-BORREGO SPRINGS, CALIFORNIA	REGIONAL	17 X 22
VR-D1-EJ-027-00257	HIGH ALTITUDE AIRCRAFT, YUMA TO LOS ANGELES	REGIONAL	17 X 22
VR-D1-EJ-030-00214	SITE 030-TUCSON, ARIZONA	REGIONAL	17 X 22
VR-D1-EJ-030-00252	SITE 030-TUCSON, ARIZONA	REGIONAL	17 X 22
VR-D1-EJ-030-00258	HIGH ALTITUDE AIRCRAFT, EL PASO TO TUCSON	REGIONAL	17 X 22
VR-D1-GJ-043-00019	SITE 043-CHICAGO, ILLINOIS	DETAIL	17 X 22
VR-D1-GJ-043-00020	SITE 043-CHICAGO, ILLINOIS	DETAIL	17 X 22
VR-D1-GJ-043-00021	SITE 043-CHICAGO, ILLINOIS	REGIONAL	17 X 22
VR-D1-GJ-043-00041	SITE 043-CHICAGO, ILL.	DETAIL	17 X 22
VR-D1-GJ-043-00042	SITE 043-CHICAGO, ILL.	DETAIL	17 X 22
VR-D1-GJ-046-00011	SITE 046-ASHEVILLE, N.C.	REGIONAL	17 X 20
VR-D1-GJ-046-00012	SITE 046-ASHEVILLE, N.C.	DETAIL	17 X 22
VR-D1-GJ-046-00077	SITE 046-ASHEVILLE, NORTH CAROLINA	REGIONAL	17 X 22
VR-D1-GJ-046-00138	SITE 046-ASHEVILLE, NORTH CAROLINA	REGIONAL	17 X 22
VR-D1-FJ-085-00089	SITE 085-LAWRENCE, KANSAS	REGIONAL	17 X 22
VR-D1-FJ-085-00126	SITE 085-LAWRENCE, KANSAS	REGIONAL	17 X 22
VR-D1-FJ-085-00176	SITE 085-LAWRENCE, KANSAS	REGIONAL	17 X 22

## SITE MAPS - GEOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-D1-SH-098-00055	SITE 098-HOMESTEAD, FLA. SITE 102-STATENVILLE/LAKE CITY, FLA., PHOSPHATE SITE 103-CRYSTAL RIVER, FLORIDA, SITE 104-WAUCHULA/TAMPA, FLA.,	REGIONAL	17 X 22
VR-D1-SH-102-00055	SITE 098-HOMESTEAD, FLA. SITE 102-STATENVILLE/LAKE CITY, FLA., PHOSPHATE SITE 103-CRYSTAL RIVER, FLORIDA, SITE 104-WAUCHULA/TAMPA, FLA.,	REGIONAL	17 X 22
VR-D1-SH-103-00055	SITE 098-HOMESTEAD, FLA. SITE 102-STATENVILLE/LAKE CITY, FLA., PHOSPHATE SITE 103-CRYSTAL RIVER, FLORIDA, SITE 104-WAUCHULA/TAMPA, FLA.,	REGIONAL	17 X 22
VR-D1-SH-104-00055	SITE 098-HOMESTEAD, FLA. SITE 102-STATENVILLE/LAKE CITY, FLA., PHOSPHATE SITE 103-CRYSTAL RIVER, FLORIDA, SITE 104-WAUCHULA/TAMPA, FLA.,	REGIONAL	17 X 22
VR-D1-SH-105-00022	SITE 105-CRESCENT BEACH SUBMARINE SPRING, FLA.	REGIONAL	17 X 22
VR-D1-EJ-117-00257	HIGH ALTITUDE AIRCRAFT, YUMA TO LOS ANGELES	REGIONAL	17 X 22
VR-D1-EJ-130-00029	SITE 130-SOUTHERN CALIF.	DETAIL	17 X 22
VR-D1-EJ-130-00066	SITE 130-SOUTHERN CALIFORNIA	REGIONAL	17 X 22
VR-D1-EJ-130-00105	SITE 130-SOUTHERN CALIFORNIA	REGIONAL	17 X 22
VR-D1-EJ-130-00107	SITE 130-SOUTHERN CALIFORNIA SITE 157-BORREGO SPRINGS, CALIF.	REGIONAL	17 X 22
VR-D1-EJ-130-00168	SITE 130-SOUTHERN CALIFORNIA SITE 027-SALTON SEA, CALIFORNIA SITE 157-BORREGO SPRINGS, CALIFORNIA	REGIONAL	17 X 22
VR-D1-EJ-130-00171	SITE 130-SOUTHERN CALIFORNIA	REGIONAL	17 X 22

## SITE MAPS - GEOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-D1-EJ-130-00257	HIGH ALTITUDE AIRCRAFT, YUMA TO LOS ANGELES	REGIONAL	17 X 22
VR-D1-GJ-132-00063	SITE 132-NEW ORLEANS, LA. SITE 133-MICHOUD, LA. SITE 134-SLIDELL, LA. SITE 137-MISSISSIPPI TEST FACILITY	REGIONAL	17 X 22
VR-D1-GH-132-00127	SITE 132-NEW ORLEANS, LOUISIANA	REGIONAL	17 X 22
VR-D1-GH-132-00143	SITE 132-NEW ORLEANS, LOUISIANA	REGIONAL	17 X 22
VR-D1-GH-132-00204	SITE 132-NEW ORLEANS, LOUISIANA	REGIONAL	17 X 22
VR-D1-GJ-133-00063	SITE 132-NEW ORLEANS, LA. SITE 133-MICHOUD, LA. SITE 134-SLIDELL, LA. SITE 137-MISSISSIPPI TEST FACILITY	REGIONAL	17 X 22
VR-D1-GJ-133-00128	SITE 133-MICHOUD, LOUISIANA	REGIONAL	17 X 22
VR-D1-GJ-134-00063	SITE 132-NEW ORLEANS, LA. SITE 133-MICHOUD, LA. SITE 134-SLIDELL, LA. SITE 137-MISSISSIPPI TEST FACILITY	REGIONAL	17 X 22
VR-D1-GJ-134-00129	SITE 134-SLIDELL, LOUISIANA	REGIONAL	17 X 22
VR-D1-GJ-137-00063	SITE 132-NEW ORLEANS, LA. SITE 133-MICHOUD, LA. SITE 134-SLIDELL, LA. SITE 137-MISSISSIPPI TEST FACILITY	REGIONAL	17 X 22
VR-D1-GJ-137-00130	SITE 137-MISSISSIPPI TEST FACILITY	REGIONAL	17 X 22
VR-D1-GH-146-00207	SITE 146-ALAFIA/PEACE RIVERS, FLORIDA SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-146-00249	SITE 146-ALAFIA/PEACE RIVERS, FLA. SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-153-00063	SITE 153-ANNAPOLIS, MARYLAND	REGIONAL	17 X 22
VR-D1-EJ-157-00107	SITE 130-SOUTHERN CALIFORNIA SITE 157-BORREGO SPRINGS, CALIF.	REGIONAL	17 X 22

## SITE MAPS - GEOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-D1-EJ-157-00168	SITE 130-SOUTHERN CALIFORNIA SITE 027-SALTON SEA, CALIFORNIA SITE 157-BORREGO SPRINGS, CALIFORNIA	REGIONAL	17 X 22
VR-D1-GJ-159-00117	SITE 159-HORSEFLY MOUNTAIN, OREGON	REGIONAL	17 X 22
VR-D1-GH-164-00156	SITE 164-BOCA RATON/BELLE GLADE, FLA.	REGIONAL	17 X 22
VR-D1-GH-164-00200	SITE 164-BOCA RATON/BELLE GLADE, FLA.	REGIONAL	17 X 22
VR-D1-GH-164-00229	SITE 164-BOCA RATON/BELLE GLADE, FLA.	REGIONAL	17 X 22
VR-D1-GH-164-00232	SITE 164-BOCA RATON/BELLE GLADE, FLA.	REGIONAL	17 X 22
VR-D1-GH-164-00240	SITE 164-BOCA RATON/BELLE GLADE, FLA.	REGIONAL	17 X 22
VR-D1-GJ-165-00132	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00133	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00134	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00147	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00148	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00152	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-165-00207	SITE 146-ALAFIA/PEACE RIVERS, FLORIDA SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00209	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00231	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GJ-165-00233	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-165-00239	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-165-00249	SITE 146-ALAFIA/PEACE RIVERS, FLA. SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-165-00251	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-GH-165-00264	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22

## SITE MAPS - GEOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-D1-SH-165-00285	SITE 165-DESERET/ST. MARKS, FLORIDA	REGIONAL	17 X 22
VR-D1-EJ-176-00219	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-EJ-176-00220	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-EJ-176-00221	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-EJ-176-00222	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-EJ-176-00223	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-EJ-176-00224	SITE 176-NEW ENGLAND	REGIONAL	17 X 22
VR-D1-SH-993-00104	SITE 993-TITUSVILLE, FLORIDA SITE 997-CAPE KENNEDY, FLORIDA	REGIONAL	17 X 22
VR-D1-EJ-994-00212	SITE 994-EL PASO, TEXAS	REGIONAL	17 X 22
VR-D1-EJ-994-00256	SITE 994-EL PASO, TEXAS	REGIONAL	17 X 22
VR-D1-EJ-994-00258	HIGH ALTITUDE AIRCRAFT, EL PASO TO TUCSON	REGIONAL	17 X 22
VR-D1-EJ-995-00211	SITE 995-ANSON/SNYDER, TEXAS	REGIONAL	17 X 22
VR-D1-EJ-996-00213	SITE 996-DALLAS/FT. WORTH, TEXAS	REGIONAL	17 X 22
VR-D1-EJ-996-00253	SITE 996-DALLAS/FT. WORTH, TEXAS	REGIONAL	17 X 22
VR-D1-SH-997-00104	SITE 993-TITUSVILLE, FLORIDA SITE 997-CAPE KENNEDY, FLORIDA	REGIONAL	17 X 22

**GEOGRAPHY**

**SECTION 02 SITE DESCRIPTIONS**

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SITE DESCRIPTIONS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
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VR-D2-GJ-018-00012	SITE 018-HAGERSTOWN (CENTRAL APPALACHIAN FIEDMONT), MARYLAND/PENNSYLVANIA/VIRGINIA
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VR-D2-EU-130-00053	SITE 130-SOUTHERN CALIF.
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VR-D2-GH-164-00067	SITE 164-BOCA RATON/BELLE GLADE, FLORIDA
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VR-D2-EJ-170-00063	SITE 170-SHEEP MOUNTAIN, WYOMING
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**GEOGRAPHY**

**SECTION 04 MISSION SCREENING**

**AND SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D4-SJ-998-B0014	MISSION NO. 14 SITES 043, 046
VR-D4-EJ-998-B0021	MISSION NO. 21 SITES 002, 003, 040
VR-D4-SH-998-B0023	MISSION NO. 23 SITES 046, 095, 099, 105-108
VR-D4-SJ-993-B0025	MISSION NO. 25 SITES 043, 088
VR-D4-EJ-998-B0028	MISSION NO. 28 SITES 024, 114, 130
VR-D4-DK-998-B0029	MISSION NO. 29 SITES 040, 130
VR-D4-SJ-043-B0031	MISSION NO. 31 SITE 043
VR-D4-SH-998-B0034	MISSION NO. 34 SITES 099, 128, 138, 046
VR-D4-SH-998-B0040	MISSION NO. 40 SITES 099, 103, 104, 132, 133, 134, 137
VR-D4-130-B0042	MISSION NO. 42 SITE 130
VR-D4-SJ-998-B0053	MISSION NO. 53 SITES 046, 150, 142, 152, 153, 124, 151, 148, 992
VR-D4-SJ-998-B0054	MISSION NO. 54, SITES 044, 076, 085, 118, 144
VR-D4-SJ-165-B0964	MISSION NO. 964 SITE 165
VR-D4-SJ-998-B0065	MISSION NO. 65 SITES 46, 124, 142, 150, 151, 152, 161
VR-D4-SH-998-B0066	MISSION NO. 66 SITES 128, 162, 163, 164, 155, 132
VR-D4-EJ-998-B0073	MISSION NO. 73 SITES 020, 027, 048, 072, 130, 157
VR-D4-SH-998-B0079	MISSION NO. 79 SITES 173, 155, 164, 168, 174, 172
VR-D4-SH-998-B0084	MISSION NO. 84 SITES 178, 179
VR-D4-SH-998-B0085	MISSION NO. 85 SITES 146, 164, 165
VR-D4-SH-998-B0090	MISSION NO. 90 SITES 164, 165
VR-D4-SH-998-B0092	MISSION NO. 92 SITES 165, 164, 163, 169, 147, 146
VR-D4-SJ-998-B0093	MISSION NO. 93 SITES 165, 169, 145

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MISSION SCREENING AND SUMMARY REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D4-GJ-998-B0095	MISSION NO. 95 SITES 165, 179
VR-D4-GJ-137-A0125	MISSION 125, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITE 137
VR-D4-GJ-137-B0125	MISSION NO. 125 SITES 13/
VR-D4-GJ-238-B0137	MISSION NO. 137 SITE 238

## TECHNICAL LETTER REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D5-EJ-998-00118	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-118. REMOTE SENSOR IMAGERY IN URBAN RESEARCH - SOME POTENTIALITIES AND PROBLEMS. ERIC G. MOORE AND BARRY S. WELLAR, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS, MAY 1968. CONTRACT NO. 14-08-0001-10654. STAR N68-25554.
VR-D5-GJ-043-00119	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-119. GENERATION OF HOUSING QUALITY DATA FROM MULTIBAND AERIAL PHOTOGRAPHS. BARRY S. WELLAR, DEPARTMENT OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. MAY 1968, CONTRACT NUMBER 14-08-0001-10654. STAR N68-25878.
VR-D5-GJ-043-00120	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-120. UTILIZATION OF MULTIBAND AERIAL PHOTOGRAPHS IN URBAN HOUSING QUALITY STUDIES. BARRY S. WELLAR, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOGRAPHY, EVANSTON, ILLINOIS. MAY 1968. CONTRACT NUMBER 14-08-0001-10654. STAR N68-25422.
VR-D5-JO-000-00126	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-126. LAND EVALUATION STUDIES WITH REMOTE SENSORS IN THE INFRARED AND RADAR REGIONS. DAVID S. SIMONETT, CENTER FOR RESEARCH IN ENGINEERING SCIENCE, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. JULY 1968. CONTRACT NUMBER W-12589.
VR-D5-JO-000-00130	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-130. EVALUATION OF MULTIPLE POLARIZED RADAR IMAGERY FOR THE DETECTION OF SELECTED CULTURAL FEATURES. ANTHONY J. LEWIS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, OCTOBER 1968, CONTRACT NUMBER W-12589. STAR N69-28151.
VR-D5-JO-000-00131	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-131. USES OF CONVENTIONAL AERIAL PHOTOGRAPHY IN URBAN AREAS: REVIEW AND BIBLIOGRAPHY. ASHRAF S. MANJI, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOGRAPHY, EVANSTON, ILLINOIS, SEPTEMBER 1968. CONTRACT NUMBER W-12570, STAR N69-28596.
VR-D5-JO-000-00135	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-135. THERMAL INFRARED IMAGERY IN URBAN STUDIES. BARRY S. WELLAR, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOGRAPHY, EVANSTON, ILLINOIS. DECEMBER 1968. CONTRACT NUMBER R-09-020-024. STAR N69-14344.

## TECHNICAL LETTER REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-D5-30-000-00138	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-138. SIDE-LOOKING RADAR IN URBAN RESEARCH: A CASE STUDY. ERIC G. MOORE, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOGRAPHY, EVANSTON, ILLINOIS. OCTOBER 1968. CONTRACT NUMBER R-09-020-024. STAR N69-16108.
NR-D5-GJ-165-00148*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-148. VEGETATIVE CHANGES CAUSED BY FIRE IN THE FLORIDA FLATWOODS AS OBSERVED BY REMOTE SENSING. W.T. MEALOR, JR., AND MERLE C. PRUNTY, JR., UNIVERSITY OF GEORGIA, DEPT. OF GEOGRAPHY, ATHENS, GEORGIA. CONTRACT NUMBER R-09-020-024(A/1).
NR-D5-EJ-140-00150*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-150. MULTI-SPECTRAL TECHNIQUES FOR GENERAL GEOLOGICAL SURVEYS EVALUATION OF A FOUR-BAND PHOTOGRAPHIC SYSTEM. DWIGHT F. CROWDER, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. MARCH 1969. CONTRACT NUMBER R-090-C20-011.
NR-D5-EJ-000-00151*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-151. SATELLITE CONFIRMATION OF SETTLEMENT SIZE COEFFICIENT. WALDO R. TOBLER, UNIVERSITY OF MICHIGAN, DEPT. OF GEOGRAPHY, ANN ARBOR, MICHIGAN, MAY 1969, CONTRACT NUMBER R-09-C20-024.
NR-D5-EJ-130-00152*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-152. MAPPING MONTANE VEGETATION IN SOUTHERN CALIFORNIA FROM COLOR INFRARED IMAGERY. RICHARD A. MINNICH, LEONARD W. BOWDEN, AND ROBERT W. PEASE, UNIVERSITY OF CALIFORNIA, DEPT. OF GEOGRAPHY, RIVERSIDE, CALIFORNIA. AUGUST 1969. CONTRACT NUMBERS 09-020-024 AND W-12570.
NR-D5-EJ-130-00153*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-153. ANALYSIS OF URBAN RESIDENTIAL ENVIRONMENTS USING COLOR INFRARED AERIAL PHOTOGRAPHY - AN EXAMINATION OF SOCIOECONOMIC VARIABLES AND PHYSICAL CHARACTERISTICS OF SELECTED AREAS IN THE LOS ANGELES BASIN. ROBERT H. MULLENS, UNIVERSITY OF CALIF., DEPT. OF GEOGRAPHY, LOS ANGELES CALIFORNIA. (WITH ADDENDUM) AN APPLICATION OF THE CONCEPTS OF THE LOS ANGELES RESIDENTIAL ENVIRONMENT STUDY TO THE ONTARIO-UPLAND REGION OF CALIFORNIA. LESLIE W. SENGER, UNIVERSITY OF CALIFORNIA, DEPT. OF GEOGRAPHY, LOS ANGELES, CALIFORNIA, MAY 1969, CONTRACT NUMBER W-12570.
NR-D5-30-000-00154*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-154. GEOGRAPHIC APPLICATIONS PROGRAM. REPORTS COMPLETED AND IN PREPARATION. ROBERT H. ALEXANDER, U.S. GEOLOGICAL SURVEY, GEOGRAPHIC APPLICATIONS PROGRAM, WASHINGTON, D.C. AUGUST 1969. CONTRACT NUMBER W-12570.

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TECHNICAL LETTER REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D5-EJ-998-00156	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-156. GEOGRAPHIC ANALYSIS OF MULTIPLE SENSOR DATA FROM THE NASA/USGS EARTH RESOURCES PROGRAM, RICHARD F. PASCUCCI, GARY W. NORTH, ET AL, RAYTHEON CO., AUTOMETRIC OPERATION, ALEXANDRIA, VIRGINIA, MAY 1969. CONTRACT NUMBER W-12589.
VR-D5-EJ-176-00163	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-163. GEOGRAPHIC EVALUATION OF RADAR IMAGERY OF NEW ENGLAND, ROBERT B. SIMPSON, DARTMOUTH COLLEGE, DEPT. OF GEOGRAPHY, HANOVER, NEW HAMPSHIRE, SEPTEMBER 1969, CONTRACT NUMBER W-12572.

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**SECTION 07 SUMMARY REPORTS**

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SUMMARY REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D7-00-000-00011	ANNOTATED BIBLIOGRAPHY ON THE USE OF SIDE-LOOKING AIRBORNE RADAR (SLAR) IMAGERY FOR ENGINEERING SOIL STUDIES. PART 1 - UNCLASSIFIED LITERATURE, DAVID J. BARR, SCHOOL OF CIVIL ENGINEERING, PURDUE UNIVERSITY, LAFAYETTE, INDIANA. PREPARED FOR U.S. ARMY ENGINEER TOPOGRAPHIC LABORATORIES, FORT BELVOIR, VIRGINIA. CONTRACT NO. DA-44-009-AMC-1847(X).
VR-D7-00-000-00032	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. FORESTRY-AGRICULTURE-GEOGRAPHY-NO. 1. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909, STAR N69-27962.
VR-D7-00-000-00035	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. METEOROLOGY-NO. 4. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909, STAR N69-28102.
VR-D7-00-000-00042	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. NAVIGATION AND TRAFFIC CONTROL-NO. 11. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NO. NSR 09-012-909, STAR N69-27963.
VR-D7-00-000-00.51	SIGNIFICANT ACHIEVEMENTS IN SATELLITE METEOROLOGY 1958-1964. NASA SP-96. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OFFICE OF TECHNOLOGY UTILIZATION, WASHINGTON, D.C. 1966.

## **GEOGRAPHY**

### **SECTION 08 - SUBJECT RELATED DOCUMENTS**

## SUBJECT RELATED DOCUMENTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D8-4K-000-00031*	DEEP SOIL TEMPERATURE TRENDS AND URBAN EFFECTS AT PARIS. JACQUES DETTWILLER, METEOROLOGIE NATIONALE, PARIS, FRANCE, PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 9, NO. 1, FEB, 1970. PP.178-180.
VR-D8-30-000-00034	CONFERENCE ON SPACE, SCIENCE, AND URBAN LIFE. MARCH 28-30, 1963. DUNSMUIR HOUSE CONFERENCE WAS SUPPORTED BY THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AND THE FORD FOUNDATION IN COOPERATION WITH THE UNIVERSITY OF CALIFORNIA AND THE CITY OF OAKLAND, OFFICE OF SCIENTIFIC AND TECHNICAL INFORMATION, WASHINGTON, D.C., NASA SP-37.
VR-D8-30-000-00079	SOME APPLICATIONS OF RADAR RETJRN DATA TO THE STUDY OF TERRESTRIAL AND OCEANIC PHENOMENA. CRES TECHNICAL REPORT 61-3. W.J. PIERSON, JR., NEW YORK UNIVERSITY; B.B. SCHEPS, U.S. ARMY, GIMRADA; AND U.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSR-17-004-003 AND NONR 285(57). PUBLISHED IN PROCEEDINGS OF THE THIRD GODDARD MEMORIAL SYMPOSIUM ON SCIENTIFIC EXPERIMENTS FOR MANNED ORBITAL FLIGHT, 18-19 MARCH 1965, WASHINGTON, D.C., P 87-137 STAR N68-10284.
VR-D8-30-000-00082	TWO TROPICAL STORMS VIEWED BY APOLLO 7. STANLEY D. SOULES, NATIONAL ENVIRONMENTAL SATELLITE CENTER, ESSA, AND KENNETH M. NAGLER, WEATHER BUREAU, ESSA, WASHINGTON, D.C. REPRINTED FROM BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, V.50, NO.2, FEBRUARY 1969, P 58-65.
VR-D8-30-000-00164	AIR-POLLUTION-MONITORING INSTRUMENTATION. NASA SP-5072. ALVIN LIEBERMAN AND PETER SCHIPMA, IIT RESEARCH INSTITUTE TECHNOLOGY CENTER, CHICAGO, ILLINOIS. 1969. CONTRACT NO. NASW-1716.
VR-D8-30-000-00173	METEOROLOGY OF AIR POLLUTION. DONALD H. PACK, U.S. DEPT. OF COMMERCE, WEATHER BUREAU, WASHINGTON, D.C. PUBLISHED IN SCIENCE, VOL. 146, NO. 3648, NOVEMBER 1964. PP.1119-1127.
VR-D8-30-000-00219	STUDY OF AIR POLLUTANT DETECTION BY REMOTE SENSORS. NASA CR-1380. REPORT NO. GDC-TUBE68-011. C.B. LUDWIG, R. BARTLE, AND M. GRIGGS, GENERAL DYNAMICS CORP., SAN DIEGO, CALIF. JULY 1969. CONTRACT NUMBER NAS 12-630. STAR N69-31961.
VR-D8-30-000-00237	AERIAL-PHOTO INTERPRETATION IN CLASSIFYING AND MAPPING SOILS. U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE WASHINGTON, D.C. PUBLISHED IN AGRICULTURAL HAND- BOOK NO 294, OCTOBER 1966.

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SUBJECT RELATED DOCUMENTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-D8-30-000-00290*	AIRPHOTO USE IN RESOURCE MANAGEMENT. A SURVEY OF NON-FEDERAL PURCHASERS OF AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE AIRPHOTOS. ORVILL E. KRAUSE, U.S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERVICE, WASHINGTON, D.C., MAY 1969. PUBLISHED IN AGRICULTURE INFORMATION BULLETIN NO. 376. STAR N69-35256.
VR-D8-30-000-00318*	A PHOTOGRAPHIC SUMMARY OF THE EARTH'S CLOUD COVER FOR THE YEAR 1967. JACK KORNFIELD AND A. FREDERICK HASLER, WISCONSIN UNIVERSITY, SPACE SCIENCE AND ENGINEERING, MADISON, WISCONSIN. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 8, AUG. 1969, PP. 687-700.
VR-D8-30-000-00334*	THE EARTH'S GRAVITY FIELD AS DEDUCED FROM THE DOPPLER TRACKING OF FIVE SATELLITES. W.H. GUIER AND R.R. NEWTON, JOHNS HOPKINS UNIVERSITY, APPLIED PHYSICS LAB., SILVER SPRING, MD. PUBLISHED IN GEOPHYSICAL RESEARCH, VOL. 70, NO. 18, SEPT. 1965, PP. 4613-4626.
VR-D8-SH-128-00343*	PASSIVE MICROWAVE SENSING OF THE EARTH'S ENVIRONMENT - A BIBLIOGRAPHY WITH ABSTRACTS. TECHNICAL REPORT NO. RSC-03, JERRY A. RICHERSON, TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS, SEPTEMBER 1969.
VR-D8-HJ-000-00348*	THE EFFECT OF AIR POLLUTANTS ON VISIBILITY IN FOG AND HAZE AT NEW YORK CITY. R.P. MCNULTY, 256 WEST HILL RD., NEWINGTON, CONN. PUBLISHED IN ATMOSPHERIC ENVIRONMENT, VOL. 2, NO. 6, N.Y. 1968. PP. 625-628.
VR-D8-30-000-00492*	REVIEW OF NEW GEOGRAPHIC METHODS AND TECHNIQUES. QUESTIONNAIRE SURVEY. WATER RESOURCES PLANNING AND MANAGEMENT, RECENT TRENDS IN REMOTE SENSING TECHNOLOGY. FINAL REPORT, (APPENDIX C), ROBERT J. TATA, ET AL., FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLA. OCTOBER 1969. CONTRACT NUMBER DAAK02-68-C-0219.
VR-D8-30-000-00493*	REVIEW OF NEW GEOGRAPHIC METHODS AND TECHNIQUES. FINAL REPORT, ROBERT J. TATA, FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLA. DECEMBER 1969. CONTRACT NO. DAAK02-68-C-0219.

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ACCESSION NUMBER	DESCRIPTION
VR-D9-30-000-00008	FIVE PAPERS ON REMOTE SENSING AND URBAN INFORMATION SYSTEMS. WILLIAM L. GARRISON, AZRIEL ROSENFELD, ET AL. TECHNICAL REPORT NO. 1, DEPARTMENT OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS, APRIL 1966. CONTRACT NUMBER NONR 1228(37).
VR-D9-30-000-00012	A MODEL FOR THE AREAL PATTERN OF RETAIL AND SERVICE ESTABLISHMENTS WITHIN AN URBAN AREA. MICHAEL F. DACEY, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOGRAPHY, URBAN AND TRANSPORTATION INFORMATION SYSTEMS. TECHNICAL REPORT NO. 2. APRIL 1966. CONTRACT NO. NONR-1228(37)
VR-D9-30-000-00020	THE STRUCTURE OF TRANSPORTATION NETWORKS. PREPARED BY THE TRANSPORTATION CENTER, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS, FOR THE U.S. ARMY, TRANSPORTATION RESEARCH COMMAND, FORT EUSTIS, VIRGINIA. TCREC TECHNICAL REPORT 62-11 MAY 1962. CONTRACT NO. DA-44-177-TC-685. STAR N62-15685.
VR-D9-4J-176-00038	ORTHOPHOTOGRAPHY - AN OPTIMUM DATA BASE. GEORGE L. LOELKES, JR., RAYTHEON CO., ALEXANDRIA, VA. PAPER PRESENTED AT THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY, AND AMERICAN CONGRESS OF SURVEYING AND MAPPING, PORTLAND, OREGON, SEPT. 1960. CONVENTION PROCEEDINGS P.P. 149-172.
VR-D9-30-000-00042	SPATIAL DATA SYSTEMS; ORGANIZATION OF SPATIAL DATA TECH. REPORT NO. 4. KENNETH DUEKER, DEPARTMENT OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, EVANSTON, ILL. JUNE 18, 1967. CONTRACT NO. NONR 1228(37) STAR N67-31145.
VR-D9-30-000-00043	SPATIAL DATA SYSTEMS: SYSTEMS CONSIDERATIONS TECH. REPORT NO. 5. KENNETH DUEKER, DEPARTMENT OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, EVANSTON, ILL. JUNE 18, 1967. CONTRACT NO. NONR 1228(37)
VR-D9-30-000-00044	SPATIAL DATA SYSTEMS: SPECIAL TOPICS. TECHNICAL REPORT NO. 6. KENNETH J. DUEKER, DEPARTMENT OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. DECEMBER 1966. CONTRACT NUMBER NONR 1228(37). STAR N69-74769
VR-D9-4J-176-00063*	STUDY OF REACTIONS OF SULFUR IN STACK PLUMES. FIRST ANNUAL REPORT, APRIL 1967 - APRIL 1968. REPORT NO. GCA-TR-68-19-G. AIW: BERGER, C.E. BILLINGS, ET AL., GCA CORP., TECHNOLOGY DIV., BEDFORD, MASS. MARCH 1969. CONTRACT NO. PH-86-67-125

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VR-D9-FK-000-00064*	THE VERTICAL DISTRIBUTION OF PARTICULATE MATTER NEAR THE SURFACE OF THE EARTH. JAMES M. ROSEN, SCHOOL OF PHYSICS AND ASTRONOMY, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA. PUBLISHED IN JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION, VOL. 19, NO. 2, FEB. 1969. PP.106-108. MICROFICHE AND HARD COPY.
VR-D9-DO-000-00115*	HIGHWAYS AND RESOURCES WITH CONSERVATION AND PRESERVATION. WILLIAM T. PRYOR, U.S. DEPT. OF TRANSPORTATION, WASHINGTON, D.C. PAPER PRESENTED AT AMERICAN PHOTOGRAHMETRIC SOCIETY AND AMERICAN CONGRESS OF SURVEYING AND MAPPING, PORTLAND, OREGON. SEPT. 1969, PP.242-250.
VR-D9-DO-000-00123*	ORGANIZATION OF THE CONVEYANCE OF SATELLITE INFORMATION INTO BANKS OF GEOGRAPHIC CHARTS. V.G. KONSTANTINOVA, USSR. TRANSLATED FROM GIDROMETEOROLOGICHESKIY NAUCHNO-ISSLEDOVATELSKIY TSENTR SSSR. TRUDY, NO. 11, 1967. PP.169-174. MICROFICHE COPY. STAR N70-14796.
VR-D9-DO-000-00162*	MECHANISMS OF AEROSOL PARTICLE DISPERSION IN THE FREE ATMOSPHERE. TRANSLATED FROM RUSSIAN. G.M. PETROVA, ET AL.. USSR, SEPTEMBER 1969. MICROFICHE COPY. STAR N70-15127.
VR-D9-DO-000-00163*	AERIAL ANALYSIS OF VEGETATION IN ARID ZONES. REPORT NO. FSTC-HT-23-735-68. B.V. VINOGRADOV, USSR. 1966-RUSSIAN. 1969-TRANSLATION. MICROFICHE COPY.
VR-D9-EU-000-00165*	PHYSICAL GEOGRAPHY AND MILITARY ENVIRONMENT IN A TRANSECT OF THE UTAH AND COLORADO ROCKIES. ARMY NATICK LABS, SERIES ES-46, REPORT NO. TR-69-73-ES, WILL F. THOMPSON, U.S. ARMY NATICK LABS., NATICK, MASS. MAY 1969. MICROFICHE COPY. STAR N70-11799.
VR-D9-DO-000-00190*	AIRBORNE DUST COLLECTIONS OVER THE NORTH ATLANTIC. D.W. PARKIN, ET AL., SCHOOL OF PHYSICS, BATH UNIVERSITY, BATH, ENGLAND. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 75, NO. 9, MARCH 1970. PP.1782-1793.
VR-D9-DO-000-00203*	NEW ACHIEVEMENTS IN THE USE OF AERIAL PHOTOGRAPHY FOR THE GEOGRAPHIC STUDY OF THE TERRAIN. L.M. GOLDMAN, CENTRAL SCIENTIFIC RESEARCH INSTITUTE FOR GEODESY, USSR. PUBLISHED IN ISPOLZOVANIYE TOPOGRAFICHESKIH KARTOGRAFIICHESKIH ISSLEDOVANIY, MOSCOW, 1958, PP.31-36. MICROFICHE COPY. STAR N64-11350.

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VR-D9-GJ-000-00215*	USING AN AIRBORNE INFRARED IMAGING SYSTEM TO LOCATE SUB-SURFACE COAL FIRES IN CULM BANKS. W.M. KVUTH, HRB-SINGER, INC., ENVIRONMENTAL SCIENCES BRANCH, STATE COLLEGE, PA. PUBLISHED IN PENNSYLVANIA ACADEMY OF SCIENCE, PROCEEDINGS, VOL. 42, 1969. PP.152-156.
VR-D9-30-000-00231	USE OF SIDE-LOOKING AIRBORNE RADAR IMAGERY FOR ENGINEERING SOILS STUDIES. FINAL TECHNICAL REPORT. DAVID J. BARR, SCHOOL OF CIVIL ENGINEERING, PURDUE UNIVERSITY, LAFAYETTE, INDIANA. JUNE 1968. PREPARED FOR GEOGRAPHIC SCIENCES DIV., U.S. ARMY ENGINEER TOPOGRAPHIC LABORATORIES, FORT BELVOIR, VIRGINIA. CONTRACT NUMBER DA-44-C09-AMC-1847(X). STAR N69-40170
VR-D9-30-000-00244*	AERIAL PHOTOGRAPHY FOR DETERMINING LAND USE. V.G. PANSE, V.V.R. MURTY, ET AL. INSTITUTE OF AGRICULTURAL RESEARCH STATISTICS, NEW DELHI, INDIA. PUBLISHED IN SOCIETY OF AGRICULTURAL STATISTICS, VOL. 19, NO. 2, DEC. 1967. PP.25-35.
VR-D9-30-000-00248	ABSORPTION SPECTROSCOPY EXPERIMENT - REMOTE SENSING OF TRACE GASES FROM ORBITAL ALTITUDES. FINAL REPORT. TR-68-56, BARRINGER RESEARCH LIMITED, ONTARIO, CANADA. FEBRUARY 1968. CONTRACT NUMBER NAS 9-7241. STAR N68-21948.
VR-D9-30-000-00262	PHOTOGRAMMETRY AS AN AID TO CANADIAN ECONOMIC AND TECHNICAL DEVELOPMENT. AFIFI H. SOLIMAN, MCMASTER UNIVERSITY, HAMILTON, ONTARIO, CANADA. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAMMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.
VR-D9-30-000-00267	PICTOMAPS GO SOUTH OF THE BORDER. SAMUEL T. ALVARADO, U.S. ARMY INTER AMERICAN GEODETIC SURVEY, FORT CLAYTON, CANAL ZONE. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAMMETRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.
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VR-D9-00-000-00287	IMPLEMENTATION OF PATTERN RECOGNITION TECHNIQUES AS APPLIED TO GEOSCIENCE INTERPRETATION. CRES TECHNICAL REPORT 61-28. G.W. DALKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. PUBLISHED IN COMPUTER APPLICATIONS IN THE EARTH SCIENCES: COLLOQUIUM ON CLASSIFICATION PROCEDURES, COMPUTER CONTRIBUTION 7, P 24-29, 1966, STATE GEOLOGICAL SURVEY, UNIVERSITY OF KANSAS, LAWRENCE.
VR-D9-00-000-00292	FUTURE AND PRESENT NEEDS OF REMOTE SENSING IN GEOGRAPHY. CRES REPORT 61-12, D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. A PAPER PRESENTED TO THE FOURTH SYMPOSIUM ON REMOTE SENSING OF THE ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 1966. STAR N66-37521.
VR-D9-00-000-00296	ORBITAL REMOTE SENSORS - DATA PROCESSING FOR GEOSCIENCE INVESTIGATIONS. CRES TECHNICAL REPORT 61-29. G.W. DALKE AND J.W. ROUSE, JR., UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR 17-004-003. AMERICAN ASTRONAUTICAL SOCIETY SYMPOSIUM, TRANSACTIONS, VOLUME 15, JUNE 1967, P MM-23-1 TO MM-23-20.
VR-D9-00-000-00322	USE OF ORBITAL RADARS FOR GEOSCIENCE INVESTIGATIONS. CRES TECHNICAL REPORT 61-6. J.W. ROUSE, JR., W.P. WAITE AND R.L. WALTERS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH INC, ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR 17-004-003. PRESENTED AT THE THIRD SPACE CONGRESS MEETING, COCOA BEACH, FLORIDA, MARCH 1965. PUBLISHED IN THE PROCEEDINGS, P 77-94.
VR-D9-00-000-00326	POTENTIAL RESEARCH AND EARTH RESOURCE STUDIES WITH ORBITING RADARS; RESULTS OF RECENT STUDIES. CRES REPORT 61-32, R.K. MOORE AND D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSR-17-004-003, NAS 9-7175, NSF GK-1153, N62305-67-C-0044, AND 14-08-0001-10848. PUBLISHED AS AIAA PAPER NO. 67-767, 4TH ANNUAL MEETING AND TECHNICAL DISPLAY, OCTOBER 23-27, 1967, ANAHEIM, CALIFORNIA.
VR-D9-00-000-00328	LAND EVALUATION STUDIES WITH REMOTE SENSORS IN THE INFRARED AND RADAR REGIONS. D.S. SIMONETT, UNIVERSITY OF KANSAS, DEPARTMENT OF GEOGRAPHY, LAWRENCE, KANSAS. CONTRACT NUMBER USGS 14-08-0001-10848, REPRINTED FROM LAND EVALUATION, PAPERS OF A CSIRO SYMPOSIUM ORGANIZED IN COOPERATION WITH UNESCO, AUGUST 26-31, 1965.

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VR-D9-JO-COO-00348	TEOTIHUACAN, MEXICO, AND ITS IMPACT ON REGIONAL DEMOGRAPHY. PUBLISHED IN SCIENCE, VOL. 162, NO. 3856, P.872-877, NOV. 22, 1968. JEFFREY R. FARSONS, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN.
VR-D9-JO-COO-00377	AERIAL AND ORBITAL IMAGES IN URBAN ENVIRONMENT STUDIES. FRANK J. WOBBER. INTERNATIONAL BUSINESS MACHINES CORP. FEDERAL SYSTEMS DIVISION, BETHESDA, MARYLAND, JULY 1969. PHOTOGRAPHIC APPLICATIONS IN SCIENCE, TECHNOLOGY AND MEDICINE. VOL. 3, NO. 12, PP.21-27.
VR-D9-JO-COO-00391	RADIATION MEASUREMENTS OVER SIMULATED PLANE SOURCES. F.J. DAVIS AND P.W. REINHARDT, OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENNESSEE. PUBLISHED IN HEALTH PHYSICS, V.8, JUNE 1962, P.233-243.
VR-D9-EJ-998-00403	TERRESTRIAL MULTISPECTRAL PHOTOGRAPHY. AFCRL-67-0076, J.F. CRONIN, AIR FORCE CAMBRIDGE RESEARCH LABORATORIES, BEDFORD, MASSACHUSETTS. CONTRACT NUMBER R22-13-012, STAR N67-27656.
VR-D9-EJ-130-00413	AN APPROACH TO THE DETECTION OF AIR POLLUTION FROM SPACE. F.F. GORSCHBOTH, K.W. WOODRICK, AND F.J. WOBBER, IBM CORP., FEDERAL SYSTEMS DIV., BETHESDA, MD. APRIL 1968.
VR-D9-FH-175-00419	A STUDY OF AIR POLLUTION SOURCES AS VIEWED BY EARTH SATELLITES. DARRYL RANDERSON, DEPARTMENT OF METEOROLOGY, TEXAS A + M UNIVERSITY, COLLEGE STATION, TEXAS. REPRINTED FROM APCA JOURNAL, VOL. 18, NO. 4, APRIL 1968, PP.249-253.
VR-D9-JO-COO-00422	REMOTE MULTISPECTRAL SENSING OF EARTH RESOURCES. ENGINEERING RESEARCH REPORT NO. 660206, REVISION A. ROMAN K.C. JOHNS AND WILL CONNELL, HYCON, MONROVIA, CALIFORNIA. DEC. 2, 1968.
VR-D9-EJ-998-00425	ENVIRONMENTAL STUDIES USING EARTH ORBITAL PHOTOGRAPHY. F.J. WOBBER, IBM CORP., FEDERAL SYSTEMS DIV., GAITHERSBURG, MD. PUBLISHED IN PHOTOGRAHMETRIA, 24 (1969) P.107-165).
VR-D9-CJ-998-00429	RESOURCE SURVEY BY SATELLITE, SCIENCE FICTION COMING TRUE. R.N. COLWELL, UNIVERSITY OF CALIFORNIA, SCHOOL OF FORESTRY, BERKELEY, CALIFORNIA, V.I. MYERS, AGRICULTURAL RESEARCH SERVICE, WESLACO, TEXAS, ET AL, PUBLISHED IN YEARBOOK OF AGRICULTURE 1968, PP.13-19.

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VR-D9-EJ-998-00435	AERIAL AND ORBITAL IMAGES IN URBAN ENVIRONMENT STUDIES. FRANK J. WOBBER, IBM, FEDERAL SYSTEMS CENTER, GAITHERSBURG, MARYLAND. PUBLISHED IN PHOTOGRAPHIC APPLICATIONS IN SCIENCE, TECHNOLOGY AND MEDICINE, VOL. 3, NO. 13, JULY-SEPT., 1969. PART I, PP.21-27, PART II, PP.33-39.
VR-D9-30-000-00438	SPACE PHOTOGRAPHY FOR THE GEOGRAPHIC STUDY OF THE EARTH. B.V. VINOGRADOV. TRANSLATED FROM BULLETIN OF THE ALL UNION GEOGRAPHIC SOCIETY, NO. 2, 1966, PP.101-111. STAR N68-17540.
VR-D9-EJ-000-00445*	REMOTE AND IN SITU TEMPERATURE MEASUREMENTS OF LAND AND WATER SURFACES. WILLIAM E. MARLATT, COLORADO STATE UNIV., FORT COLLINS, COLORADO. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 6 APRIL 1967. PP.272-279.
VR-D9-30-000-00514	RUSSIAN DATA ON SPECTRAL REFLECTANCE OF VEGETATION, SOIL AND ROCK TYPES. FINAL TECHNICAL REPORT. DIETER STEINER AND THOMAS GUTERMANN, UNIVERSITY OF ZURICH, DEPT. OF GEOGRAPHY, ZURICH, SWITZERLAND. NOVEMBER 1966. STAR X67-21462.
VR-D9-30-000-00530*	EXPERIENCE OF ORGANIZATION AND METHODS OF TOPOGRAPHIC INTERPRETATION, (U) N.A. STUPIN, U.S. AIR FORCE, AERONAUTICAL CHART AND INFORMATION CENTER, CARTOGRAPHY DIV., ST. LOUIS, MISSOURI. REPRINTED FROM GEODEZITA I KARTOGRAFIYA, 1966, PP.43-46. MICROFICHE COPY. STAR N69-15910.
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VR-D9-30-000-00534*	WAVEFORM ANALYSIS OF GEOGRAPHIC PATTERNS RECORDED ON VISIBLE AND INFRARED IMAGERY. RICHARD E. WITMER, FLORIDA ATLANTIC UNIVERSITY, DEPT. OF GEOGRAPHY, BOCA RATON, FLORIDA. SEPT. 1967, CONTRACT NO. NONR 4761(00). MICROFICHE COPY. STAR N68-11140.

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VR-D9-30-000-00610*	GROUND TEMPERATURE UNDER NATURAL AND MAN-MADE RESERVOIRS IN THE IGARKA REGION, S.G. TSVETKOVA, USSR. TRANSLATED FROM MATERIALLY K UCHENIIA O MERZLYKU ZOVAKH ZEMNOI KORY. PUBLISHED BY AKADEMIIA NAUK SSSR, INSTITUT MERZLOTOVEDENIA, MOSCOW, 1961. PP.36-65. STAR N70-15002. MICROFICHE COPY.
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VR-D9-30-000-00616	THE USE OF LIDAR IN AIR POLLUTION STUDIES. P.M. HAMILTON, CENTRAL ELECTRICAL AND WATER POLLUTION LABORATORIES, SURREY, ENGLAND. PUBLISHED IN JOURNAL OF AIR AND WATER POLLUTION INT. J., PERGAMON PRESS 1966. VOL. 10, PP.427-434.
VR-D9-EJ-998-00631*	VARIATIONS IN THE SIZE DISTRIBUTIONS OF SULFUR-CONTAINING COMPOUNDS IN URBAN AEROSOLS. F.L. LUDWIG AND ELMER ROBINSON, STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIF. PUBLISHED IN ATMOSPHERIC ENVIRONMENT, VOL. 2, NO. 1, JAN. 1968. PP.12-23.
VR-D9-EJ-130-00652*	GROWING IMPORTANCE OF URBAN GEOLOGY. GEOLOGICAL SURVEY CIRCULAR 487. JOHN T. MCGILL, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1964.
VR-D9-30-000-00659*	GEOGRAPHIC CORRELATIONS IN DISTANT EXTRAPOLATION OF INTERPRETATION CHARACTERISTICS OF LANDSCAPE ANALOGS. B.V. VINOGRADOV, USSR. TRANSLATION OF AKADEMIIA NAUK SSSR: LABORATORIEA AEROMETODOV, PRIMENENIE AERO-METODOV Dlya UCHENIIA, 1962. PP.114-143. STAR N70-16958. MICROFICHE COPY.
VR-D9-30-000-00663*	PHYSICAL GEOGRAPHY RECONNAISSANCE - WEST PAKISTAN COASTAL ZONE. RODMAN E. SNEAD, UNIVERSITY OF NEW MEXICO, DEPT. OF GEOGRAPHY, ALBUQUERQUE, NEW MEXICO. MAY 1969. CONTRACT NUMBER NONR-1575(03). MICROFICHE COPY. STAR N69-35752.
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VR-D9-30-000-00682*	RADIOTRACER PROCEDURES FOR MECHANISTIC STUDIES IN AIR POLLUTION RESEARCH. REPORT NO. RI 7304. MARVIN L. WHISMAN AND BASIL DIMITRIADES, U.S. BUREAU OF MINES, BARTLESVILLE, OKLA. OCTOBER 1969. STAR N69-36536.
VR-D9-4J-176-00706*	SEASONAL CHANGE REVEALED BY TIME-LAPSE PHOTOGRAPHY. ROLAND J. FRODIGH, ARMY NATICK LABS., NATICK, MASS. MARCH 1967. MICROFICHE COPY. STAR N67-32684.
VR-D9-4J-124-00715	QUANTITATIVE REMOTE SENSING OF WATER POLLUTION. FRANK B. SILVESTRO, CORNELL AERONAUTICAL LAB., INC., BUFFALO, N.Y. PRESENTED AT THE 15TH ANNUAL TECHNICAL MEETING OF THE INSTITUTE OF ENVIRONMENTAL SCIENCES AT ANAHEIM, CALIFORNIA, APRIL 1969.
VR-D9-FH-998-00721*	AN APPROACH TO THE DETECTION OF AIR POLLUTION FROM SPACE. F.F. GORSCH DTH, N.W. WOODRICK, AND F.J. WOBBER, IBM FEDERAL SYSTEMS DIV., BETHESDA, MARYLAND. PRESENTED BEFORE THE 49TH ANNUAL JOINT MEETING OF THE AMERICAN GEOPHYSICAL UNION AND THE AMERICAN METEOROLOGICAL SOCIETY, WASHINGTON, D.C. APRIL 8-11, 1968.
VR-D9-30-000-00743*	EXPERIENCE IN MAKING USE OF SPECTROZONAL PHOTOGRAPHS IN A TOPOGRAPHIC SURVEY ON A 1,25,000 SCALE. REPORT NO. FSTC-HT-23-669-68. B.I. IGNATYEV, RUSSIA. TRANSLATION OF GEODEZIYA I KARTOGRAFIA (USSR) NO. 1, JAN. 1967. PP.43-45. MICROFICHE COPY.
VR-D9-30-000-00748*	APPLICATION OF PHOTGRAMMETRY TO AIR POLLUTION RESEARCH. SIA, VERESS, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON. PRESENTED AT AMERICAN SOCIETY OF PHOTGRAMMETRY, PORTLAND, OREGON, SEPT. 1969. PAPERS, PP.341-357.
VR-D9-30-000-00752*	THE ROLE OF SOILS IN THE INTERPRETATION OF ARID-ZONE LANDSCAPES FROM AERIAL PHOTOGRAPHS. REPORT NUMBER FSTC-HT-23-492-69. YU. S. TOLCHEVNIKOV, USSR. 1969. MICROFICHE COPY. STAR N70-11798.
VR-D9-30-000-00762*	ORL EXPERIMENT PROGRAM. VOL. 3, PART 4 - GEOGRAPHY. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD. FEBRUARY 1966. CONTRACT NUMBER NASW-1215. STAR N66-17050.

## TECHNICAL REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-D9-30-000-00765	ORL EXPERIMENT PROGRAM, VOL. 3, PART 6 - COMMUNICATIONS AND NAVIGATION/TRAFFIC CONTROL. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD, FEB. 1966. CONTRACT NUMBER NASW-1215, STAR N66-17052.
VP D9-30-000-00771*	ORL EXPERIMENT PROGRAM, VOL. 3, PART 12 - BIOSCIENCE, IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD, FEBRUARY 1966. CONTRACT NUMBER NASW-1215, STAR N66-17058.
VR-D9-30-000-00786*	THE ROLE OF CLIMATE IN THE DISTRIBUTION OF VEGETATION. JOHN R. MATHER, C.W. THORNTWAITE ASSOCIATES, ELMER, NEW JERSEY. PUBLISHED IN ANNALS OF THE AMERICAN GEOGRAPHERS, VOL. 58, NO. 1, MARCH 1968. PP.29-41.
VR-D9-EJ-000-00843*	ON THE GENERALITY OF CORRELATION OF ATMOSPHERIC AEROSOL MASS CONCENTRATION AND LIGHT SCATTER. ROBERT J. CHARLSON, NORMAN C. AHLQUIST, ET AL., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON. PUBLISHED IN ATMOSPHERIC ENVIRONMENT, VOL. 2, NO. 5, SEPT. 1968. PP.455-464.
VR-D9-SJ-043-00858*	APPLICATION OF THE LIDAR TO AIR POLLUTION MEASUREMENTS. EARL W. BARRETT AND ODED BEN-DOV, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 6, JUNE 1967. PP.500-515.
VR-D9-30-000-00865*	ECOLOGICAL POTENTIALS IN SPECTRAL SIGNATURE ANALYSIS. R.M. HOFFER, AND C.J. JOHANNSEN, PURDUE UNIVERSITY, LABORATORY FOR AGRICULTURAL REMOTE SENSING, LAFAYETTE, INDIANA, REPRINTED FROM REMOTE SENSING IN ECOLOGY, 1969, JOURNAL PAPER NO. 3479.
VR-D9-30-000-00900*	ANTHILL INFESTATIONS. M.P. MEYER, UNIVERSITY OF MINNESOTA, ST. PAUL, MINNESOTA, AND E.J. WOOLFOLK, CONCEPCION DEL URUGUAY, ARGENTINA. REPRINTED FROM PHOTOGAMMETRIC ENGINEERING, VOL. 33, NOV. 1967. PP.1247-1249.
VR-D9-30-000-00925*	STUDY OF DATA SOURCES AND PROCESSING FOR RADAR LAND MASS SIMULATION. FINAL REPRT, JAN.-DEC. 1968. PATRICK D. FLIGOR, TECHNOLOGY INC., DAYTON, OHIO. STAR N70-10465, MICROFICHE COPY.

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**SECTION 01 SITE MAPS**

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SITE MAPS - GEOLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-E1-EJ-002-00003	SITE 002-PISGAH CRATER, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-002-00004	SITE 002-PISGAH CRATER, CALIFORNIA	DETAIL	17 X 22
VR-E1-EJ-002-00145	SITE 002-PISGAH CRATER, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-003-00005	SITE 003-MONO CRATERS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-003-00025	SITE 003-MONO CRATERS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-003-00036	SITE 003-MONO CRATERS, CALIFORNIA	DETAIL	17 X 22
VR-E1-EJ-003-00106	SITE 003-MONO CRATERS, CALIF. SITE 019-SONORA PASS, CALIF.	REGIONAL	17 X 22
VR-E1-EJ-003-00191	SITE 019-SONORA PASS, CALIFORNIA SITE 003-MONO CRATERS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-003-00192	SITE 003-MONO CRATERS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-006-00006	SITE 006-SALT LAKE (SALT LAKE DIST.) UTAH	DETAIL	17 X 22
VR-E1-EJ-011-00031	SITE 011-YELLOWSTONE NAT'L. PARK, WYO./MONT./IDAHO	DETAIL	17 X 22
VR-E1-EJ-011-00032	SITE 011-YELLOWSTONE NAT'L. PARK, WYO./MONT./IDAHO	REGIONAL	17 X 22
VR-E1-EJ-019-00039	SITE 019-SONORA PASS, CALIFORNIA	DETAIL	17 X 22
VR-E1-EJ-019-00106	SITE 003-MONO CRATERS, CALIF. SITE 019-SONORA PASS, CALIF.	REGIONAL	17 X 22
VR-E1-EJ-019-00191	SITE 019-SONORA PASS, CALIFORNIA SITE 003-MONO CRATERS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-022-00180	SITE 022-TONOPAH, NEVADA SITE 075-GOLDFIELD, NEVADA	REGIONAL	17 X 22
VR-E1-EJ-024-00035	SITE 024-SAN ANDREAS FAULT, CALIF.	REGIONAL	17 X 22
VR-E1-EJ-021-00254	SITE - IMPERIAL VALLEY, CALIFORNIA	REGIONAL	17 X 22

## SITE MAPS - GEOLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-E1-EJ-029-00003	SITE 029-PHOENIX, ARIZ,	DETAIL	17 X 20
VR-E1-EJ-031-00009	SITE 031-WILLCOX DRY LAKE, ARIZ.	DETAIL	17 X 20
VR-E1-JK-040-00010	SITE 040-CASCADE MTNS, (CASCADE GLACIER SITE), WASHINGTON.	DETAIL	17 X 20
VR-E1-EJ-041-00164	SITE 041-MESABI RANGE, MINNESOTA	REGIONAL	17 X 22
VR-E1-EJ-051-00013	SITE 051-MESQUITE SEDIMENTARY, ARIZ.	REGIONAL	17 X 22
VR-E1-EJ-051-00014	SITE 051-MESQUITE SEDIMENTARY, ARIZ.	DETAIL	17 X 22
VR-E1-EJ-051-00114	SITE 051-MESQUITE SEDIMENTARY, ARIZ.	REGIONAL	17 X 22
VR-E1-EJ-051-00144	SITE 051-MESQUITE SEDIMENTARY, ARIZ.	REGIONAL	17 X 22
VR-E1-EJ-052-00038	SITE 052-NEVADA AEC	REGIONAL	17 X 22
VR-E1-EJ-052-00172	SITE 052-NEVADA AEC	REGIONAL	17 X 22
VR-E1-JJ-056-00099	SITE 056-MT, LASSEN, CALIFORNIA	REGIONAL	17 X 22
VR-E1-JJ-056-00181	SITE 056-MT. LASSEN, CALIFORNIA	REGIONAL	17 X 22
VR-E1-JJ-056-00185	SITE 056-MT. LASSEN, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-072-00015	SITE 072-COSO HOT SPRINGS, CALIF.	DETAIL	17 X 22
VR-E1-EJ-072-00169	SITE 072-COSO HOT SPRINGS, CALIFORNIA	REGIONAL	17 X 22
VR-E1-EJ-075-00180	SITE 022-TONOPAH, NEVADA SITE 075-GOLDFIELD, NEVADA	REGIONAL	17 X 22
VR-E1-GJ-079-00118	SITE 079-MATEWAN, KENTUCKY	REGIONAL	17 X 22
VR-E1-EJ-114-00034	SITE 114-WHITE SANDS, N.M.	REGIONAL	17 X 22
VR-E1-EJ-114-00043	SITE 114-WHITE SANDS, N.M.	REGIONAL	17 X 22
VR-E1-EJ-114-00058	S. 114-WHITE SANDS, N.M.	REGIONAL	17 X 22
VR-E1-EJ-114-00059	SITE 114-WHITE SANDS, N.M.	DETAIL	17 X 22
VR-E1-JK-126-00165	SITE 126-MARQUETTE/REPUBLIC TROUGHS, MICHIGAN	REGIONAL	17 X

## SITE MAPS - GEOLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-E1-EJ-129-00123 SITE 129-ARKANSAS BASIN		REGIONAL	17 X 22
VR-E1-EJ-129-00124 SITE 129-ARKANSAS BASIN		REGIONAL	17 X 22
VR-E1-EJ-130-00254 SITE - IMPERIAL VALLEY, CALIFORNIA		REGIONAL	17 X 22
VR-E1-GJ-141-00119 SITE 141-CHARLESTON/COLUMBIA, S.C.		REGIONAL	17 X 22
VR-E1-GJ-141-00120 SITE 141-CHARLESTON/COLUMBIA, S.C.		REGIONAL	17 X 22
VR-E1-GJ-141-00121 SITE 141-CHARLESTON/COLUMBIA, S.C.		REGIONAL	17 X 22
VR-E1-GJ-141-00122 SITE 141-CHARLESTON/COLUMBIA, S.C.		REGIONAL	17 X 22
VR-E1-GJ-150-00078 SITE 150-PAMLICO SOUND, N.C.		REGIONAL	17 X 22
VR-E1-GJ-150-00141 SITE 150-PAMLICO SOUND, N.C.		REGIONAL	17 X 22
VR-E1-GJ-153-00086 SITE 153-ANNAPOLIS, MARYLAND		DETAIL	17 X 22
VR-E1-EJ-154-00146 SITE 154-AMBOY CRATER, CALIFORNIA		REGIONAL	17 X 22
VR-E1-EJ-157-00254 SITE - IMPERIAL VALLEY, CALIFORNIA		REGIONAL	17 X 22
VR-E1-GH-164-00247 SITE 164-BOCA RATON/BELLE GLADE, FLA.		REGIONAL	17 X 22
VR-E1-GH-165-00250 SITE 165-DESERET/ST. MARKS, FLORIDA		REGIONAL	17 X 22
VR-E1-EJ-178-00226 SITE 178-MILL CREEK, OKLAHOMA		REGIONAL	17 X 22
VR-E1-EJ-180-00234 SITE 180-GARNET MOUNTAIN, ARIZONA		REGIONAL	17 X 22
VR-E1-EJ-183-00235 SITE 183-LORDSBURG, NEW MEXICO		REGIONAL	17 X 22
VR-E1-FH-701-00259 SITE 701-EL ORO/TLALPUAHUA, MEXICO		REGIONAL	17 X 22
VR-E1-FH-702-00260 SITE 702-IXTLAN DE LOS HERVORES/ LOS NEGRITOS, MEXICO		REGIONAL	17 X 22

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**SECTION 02 SITE DESCRIPTIONS**

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## SITE DESCRIPTIONS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E2-EJ-0001-00001	SITE 001-CEDAR CITY (IRON SPRINGS), UTAH
VR-E2-EJ-0002-00002	SITE 002-PISGAH CRATER, CALIFORNIA
VR-E2-EJ-0003-00003	SITE 003-CARRIZO PLAINS, CALIFORNIA
VR-E2-EJ-0004-00004	SITE 004-EUREKA (TINTIC DISTRICT), UTAH
VR-E2-EJ-0005-00005	SITE 005-SALT LAKE (SALT LAKE DIST.), UTAH
VR-E2-EJ-0006-00006	SITE 006-SAN FRANCISCO DIST., UTAH
VR-E2-EJ-0007-00007	SITE 007-CARSON CITY (COMSTOCK DISTRICT), NEVADA
VR-E2-EJ-0008-00008	SITE 008-YELLOWSTONE NAT'L. PARK, WYO/MONT./IDAHO
VR-E2-EJ-0009-00009	SITE 009-TWIN BUTTES (FIMA DIST.) ARIZ.
VR-E2-EJ-0010-00010	SITE 010-BALTIMORE (HARFORD-YORK), MD./PA.
VR-E2-EJ-0011-00011	SITE 011-SONORA PASS, CALIFORNIA
VR-E2-EJ-0012-00012	SITE 012-SONORA PASS, CALIFORNIA (II)
VR-E2-EJ-0013-00013	SITE 013-BATTLE MTN. (RYE PATCH RES./RUBY MTNS.), NEVADA
VR-E2-EJ-0014-00014	SITE 014-TONOPAH, NEV.
VR-E2-EJ-0015-00015	SITE 015-INYO NATIONAL FOREST (WARD MTN./CRATER MTN.), CALIF.
VR-E2-EJ-0016-00016	SITE 016-SAN ANDREAS FAULT, CALIFORNIA
VR-E2-EJ-0017-00017	SITE 017-SCRIPPS BEACH, CALIF.
VR-E2-EJ-0018-00018	SITE 018-SALTON SEA, CALIF.
VR-E2-EJ-0019-00019	SITE 019-WINSLOW (METEOR CRATER), ARIZONA
VR-E2-EJ-0020-00020	SITE 020-OUACHITA MTNS., ARK./OKLA.
VR-E2-EJ-0021-00021	SITE 021-SPANISH PEAKS, COLO.
VR-E2-EJ-0022-00022	SITE 022-GREAT SAGE PLAIN (LISBON VALLEY), UTAH/COLORADO
VR-E2-EJ-0023-00023	SITE 023-GREAT SAGE PLAIN (LISBON VALLEY), UTAH/COLORADO

## SITE DESCRIPTIONS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E2-0J-050-00026	SITE 050-DONNER PASS, CALIF.
VR-E2-EJ-051-00027	SITE 051-MESQUITE SEDIMENTARY, ARIZONA
VR-E2-EJ-052-00028	SITE 052-NEVADA AEC
VR-E2-EJ-054-00029	SITE 054-SMOKE CREEK DESERT/HEBER, UTAH
VR-E2-0J-064-00030	SITE 064-CENTRAL CASCADE RANGE, OREGON
VR-E2-4J-070-00031	SITE 070-HOPKINTON-MILFORD/TEMPLETON/ORANGE, MASS
VR-E2-EJ-071-00032	SITE 071-HOPI BUTTES, ARIZ.
VR-E2-EJ-073-00033	SITE 073-LYNN DISTRICT, NEV.
VR-E2-EJ-075-00034	SITE 075-GOLDFIELD, NEV.
VR-E2-GJ-079-00035	SITE 079-MATEWAN, KY.
VR-E2-EJ-082-00036	SITE 082-ALVORD VALLEY, ORE.
VR-E2-EJ-083-00037	SITE 083-IRONTON, MISSOURI
VR-E2-EK-089-00041	SITE 089-BLACKBIRD DIST., IDAHO
VR-E2-EK-090-00042	SITE 090-ALBERTON, MONT.
VR-E2-4H-092-00043	SITE 092-PUERTO RICO
VR-E2-GJ-094-00044	SITE 094-NE PENNSYLVANIA (PEAT BOGS)
VR-E2-EJ-101-00048	SITE 101-SAN FRANCISCO VOLCANIC FIELDS, ARIZ.
VR-E2-EJ-114-00049	SITE 114-WHITE SANDS, NEW MEXICO
VR-E2-EJ-115-00050	SITE 115-NEW MEXICO MINERAL AND STRUCTURAL BELTS
VR-E2-GJ-127-00051	SITE 127-JOHNSON COUNTY GRAVEL TEST, INDIANA
VR-E2-EJ-129-00052	SITE 129-ARKANSAS BASIN
VR-E2-EJ-139-00056	SITE 139-STEAMBOAT SPRINGS, COLO.
VR-E2-GJ-141-00060	SITE 141-CHARLESTON/COLUMBIA, S.C.

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SITE DESCRIPTIONS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E2-GJ-150-00064	SITE 150-PAMLICO SOUND, NORTH CAROLINA

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**SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E4-EJ-031-B0015	MISSION NO. 15 SITE 031
VR-E4-EJ-998-B0018	MISSION NO. 18 SITES 015, 027, 028, 031, 051
VR-E4-EJ-029-B0019	MISSION NO. 19 SITE 029
VR-E4-EJ-998-B0030	MISSION NO. 30 SITES 003, 020, 052, 019, 135
VR-E4-EJ-998-B0032	MISSION NO. 32 SITES 011, 076
VR-E4-EJ-114-B0033	MISSION NO. 33 SITE 114
VR-E4-EJ-998-B0043	MISSION NO. 43 SITES 014, 029, 101, 114
VR-E4-EJ-998-B0044	MISSION NO. 44 SITES 051, 052, 154, 002
VR-E4-EJ-998-B0055	MISSION NO. 55 SITES 007, 048, 056, 156
VR-E4-EJ-998-B0061	MISSION NO. 61 SITES 129, 076, 085, 079, 141, 992
VR-E4-EJ-998-B0072	MISSION NO. 72 SITES 041, 044, 126, 167
VR-E4-EJ-998-B0076	MISSION NO. 76 SITES 022, 056, 075
VR-E4-EJ-998-B0078	MISSION NO. 78 SITES 019, 003, 056, 040, 156
VR-E4-EJ-998-B0086	MISSION NO. 86 SITES 180, 183
VR-E4-EJ-998-A0108	MISSION 108, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 002, 022, AND 075

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**SECTION 05 TECHNICAL LETTER REPORTS**

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TECHNICAL LETTER REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E5-EJ-075-00001	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-1, INFORMATION REGARDING VINDICATOR MOUNTAIN, NEVADA, AS A POSSIBLE TEST SITE FOR NASA REMOTE SENSING PROGRAM. WILLIAM A. FISCHER, U.S.G.S., WASHINGTON, D.C. AUGUST 5, 1964. CONTRACT NO. NONE.
VR-E5-EJ-002-00002	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-2 GELOGICAL RECONNAISSANCE REPORT TEST SITE NO. 2 - PISGAH CRATER, CALIFORNIA. STEPHEN J. GWARECKI, U.S.G.S., BRANCH OF THEORETICAL GEOPHYSICS, WASHINGTON, D.C. AUGUST 10, 1964. CONTRACT NO. NONE. STAR N69-29390.
VR-E5-00-000-00003	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-3, INTERIM REPORT OF ULTRAVIOLET ABSORPTION AND STIMULATED LUMINESCENCE INVESTIGATIONS BEING UNDERTAKEN IN COOPERATION WITH THE NASA. PART 1. ULTRAVIOLET VIDEO IMAGING SYSTEM, BY WILLIAM R. HEMPHILL AND STEPHEN J. GWARECKI. PART 2. SPECTRAL DISTRIBUTION OF ULTRAVIOLET STIMULATED LUMINESCENCE BY WILLIAM A. FISCHER AND DAVID L. DANIELS. PART 3. MEASUREMENT OF ULTRAVIOLET REFLECTANCE, BY WILLIAM A. FISCHER AND REINHOLD FERHARZ. J.S.G.S., WASHINGTON, D.C. NOVEMBER 1964. CONTRACT NO. NONE.
VR-E5-EJ-002-00004	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-4 PRELIMINARY GEOLOGIC MAP - PISGAH CRATER AND VICINITY, CALIFORNIA. T.W. DIBBLEE, JR., U.S.G.S., WASHINGTON, D.C. MARCH 12, 1965. CONTRACT NO. NONE.
VR-E5-EJ-002-00005	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-5 PRELIMINARY RESULTS OF AERIAL INFRARED SURVEY AT PISGAH CRATER. W. A. FISCHER, J.D. FRIEDMAN, T.M. SOUSA, U.S.G.S., WASHINGTON, D.C. APRIL 22, 1965. CONTRACT NO. R-146. STAR X65-25872.
VR-E5-00-000-00006	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-6, ULTRAVIOLET ABSORPTION AND LUMINESCENCE INVESTIGATIONS PROGRESS REPORT. WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C., AND SAMUEL U. CARNAHAN, WESTINGHOUSE ELECTRIC CORPORATION, BALTIMORE, MARYLAND. AUGUST 16, 1965. CONTRACT NO. R-146.
VR-E5-EJ-002-00007	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-7, TOPOGRAPHIC STUDIES OF PISGAH CRATER, CALIFORNIA. R.E. ALTHOFEN, U.S.G.S., MENLO PARK, CALIFORNIA. J.K. OMAN AND T.M. SOUSA, U.S.G.S., WASHINGTON, D.C. JUNE 25, 1965. CONTRACT NO. R-146.

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TECHNICAL LETTER REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E5-00-000-00008	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-8, REFLECTANCE MEASUREMENTS IN THE 0.6 TO 2.5 MICRON PART OF THE SPECTRUM. REINHOLD GERHARZ AND WILLIAM A. FISCHER, U.S.G.S., WASHINGTON, D.C. FEBRUARY 1, 1966. CONTRACT NO. R-146.
VR-E5-EJ-003-00009	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-9, PRELIMINARY GEOLOGIC MAP OF THE MONO CRATERS QUADRANGLE CALIFORNIA. RONALD W. KISTLER, U.S.G.S., MENLO PARK, CALIFORNIA. SEPTEMBER 1, 1965. CONTRACT NO. R-146.
VR-E5-EJ-002-00011	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-11, GEOLOGIC MAP OF THE PISGAH AND SUNSHINE CONE LAVA FIELDS. WILLIAM S. WISE, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, CALIFORNIA. MARCH 10, 1966. CONTRACT NO. R-146. STAR V66-29544.
VR-E5-EJ-003-00012	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-12, GEOLOGIC MAP OF MONO CRATERS AREA, CALIFORNIA. JULES D. FRIEDMAN, U.S.G.S., WASHINGTON, D.C. JULY 1966, CONTRACT NO. R-146-09-020 AND ORDER NO. T-65754G.
VR-E5-EJ-998-00013	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-13. INFRARED SPECTRAL EMITTANCE OF ROCKS FROM THE PISGAH AND MONO CRATERS AREAS, CALIFORNIA. DAVID L. DANIELS, U.S.G.S., WASHINGTON, D.C. NOVEMBER 1966. CONTRACT NO. R-146-09-020-006. U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-13A. SUPPLEMENT, INFRARED SPECTRAL EMITTANCE OF ROCKS FROM THE PISGAH AND MONO CRATERS AREA, CALIFORNIA. DAVID L. DANIELS, U.S.G.S., WASHINGTON, D.C. NOVEMBER 1966. CONTRACT NUMBER R-146-09-020-006. STAR N67-13102.
VR-E5-EJ-007-00016	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-16, GEOLOGICAL EVALUATION OF RADAR IMAGERY OREGON COAST. PARKE D. SNAVELY, JR. AND HOLLY C. WAGNER, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-130-00017	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-17, EVALUATION OF EKTACHROME AND MULTIBAND PHOTOGRAPHY IN CALIENTE RANGE, CALIFORNIA. J. G. VEDDER AND E. W. WOLFE, U.S.G.S., MENLO PARK, CALIFORNIA. AUGUST 1966, CONTRACT NO. R-09-020-015, STAR X66-21284.
VR-E5-EJ-998-00018	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-18. EVALUATION OF NINE-FRAME ENHANCED MULTIBAND PHOTOGRAPHY SAN ANDREAS FAULT ZONE, CARRIZO PLAIN, CALIFORNIA. ROBERT E. WALLACE, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. 1969. CONTRACT NUMBER R-090-020-011.

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ACCESSION NUMBER	DESCRIPTION
VR-E5-DJ-064-00019	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-19, GEOLOGIC EVALUATION OF RADAR IMAGERY OF THE CENTRAL PART OF THE OREGON HIGH CASCADE RANGE. D. A. SWANSON, U.S.G.S., MENLO PARK, CALIFORNIA, MAY 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-002-00020	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-20 COMPOSITION OF BASALT FLOWS AT PISGAH CRATER, CALIFORNIA: PRELIMINARY DATA, JULES D. FRIEDMAN, U.S.G.S., WASHINGTON, D.C. JULY 1966. CONTRACT NO. R-146.
VR-E5-DJ-998-00023	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-23, GEOLOGIC APPRAISAL OF RADAR IMAGERY OF SOUTHWESTERN OREGON. WILLIAM P. IRWIN, U.S.G.S., MENLO PARK, CALIFORNIA, JUNE 1966, CONTRACT NO. R-09-020-015.
VR-E5-EJ-000-00024	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-24, PHOTOGEOLOGIC INTERPRETATION OF GEMINI IV COLOR PHOTOGRAPHY BAJA, CALIFORNIA. ROWLAND TABOR, U.S.G.S., MENLO PARK, CALIFORNIA, MAY 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-008-00025	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-25, EVALUATION OF RADAR IMAGERY OF HIGHLY FAULTED VOLCANIC TERRANE IN SOUTHEAST OREGON. G. W. WALKER, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015. STAR X66-18326.
VR-E5-DK-040-00026	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-26, APPLICATION OF RADAR IMAGERY TO A GEOLOGIC PROBLEM AT GLACIER PEAK VOLCANO, WASHINGTON. ROWLAND TABOR, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-140-00027	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-27. GEOLOGIC EVALUATION OF RADAR IMAGERY OF FLIGHTS 100-B AND 100-C ACROSS THE CENTRAL SIERRA NEVADA, CALIFORNIA. PAUL C. BATEMAN, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-015-00028	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-28, GEOLOGIC EVALUATION - RADAR IMAGERY OF TWIN BUTTES AREA, ARIZONA TEST SITE 15. JOHN R. COOPER, U.S.G.S., DENVER, COLORADO. MAY 1966. CONTRACT NO. R-09-020-015. STAR X66-19233.
VR-E5-EJ-027-00029	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-29, RADAR IMAGERY: SALTON SEA AREA, CALIFORNIA. EDWARD W. WOLPE, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015.

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NR-E5-EJ-011-00030	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-30, PRELIMINARY EVALUATION OF RADAR IMAGERY OF YELLOWSTONE PARK, WYOMING. R.L. CHRISTIANSEN, K.L. PIERCE, H.J. PROSTKA, AND E. J. RUPPEL, U.S.G.S., DENVER, COLORADO. JULY 1966. CONTRACT NO. R-09-020-015.
NR-E5-00-000-00032	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-32, REFLECTANCE OF ROCKS AND MINERALS TO VISIBLE AND ULTRAVIOLET RADIATION. H. V. WATTS, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS. JULY 1966. CONTRACT NO. R-146-09-020-006. STAR X66-1^710.
NR-E5-00-000-00033	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-33, GEOLOGICAL STUDIES OF THE EARTH AND PLANETARY SURFACES OF ULTRAVIOLET ABSORPTION AND STIMULATED LUMINESCENCE. WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C., AND ROGER VICKERS, IITRI, CHICAGO, ILLINOIS. APRIL 1966. CONTRACT NO. R-146-09-020-006 STAR X66-19431. U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-33A, SUPPLEMENT, GEOLOGICAL STUDIES OF THE EARTH AND PLANETARY SURFACES OF ULTRAVIOLET ABSORPTION AND STIMULATED LUMINESCENCE. WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C., AND ROGER VICKERS, IITRI, CHICAGO, ILLINOIS. AUGUST 1966, CONTRACT NUMBER R-146-09-020-006, STAR X67-10466.
NR-E5-EJ-027-00034	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-34, GEMINI V COLOR PHOTOGRAPHY OF SALTON SEA AREA, CALIFORNIA. EDWARD W. WOLFE, U.S.G.S., MENLO PARK, CALIFORNIA. MAY 1966. CONTRACT NO. R-09-020-015.
NR-E5-00-000-00036	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-36, THE EFFECT OF ULTRAVIOLET RADIATION ON THE INTENSITY OF LUMINESCENCE. DAVID L. DANIELS, U.S.G.S., WASHINGTON, D.C. JUNE 1966. CONTRACT NO. R-146-09-020-006. STAR X66-19714.
NR-E5-00-000-00037	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-37, PRELIMINARY ULTRAVIOLET REFLECTANCE OF SOME ROCKS AND MINERALS FROM 2000A TO 3000A. A.V. THORPE, C.M. ALEXANDER, AND F.E. SENFTLE, U.S.G.S., WASHINGTON, D.C. AUGUST 1966, CONTRACT NO. R-146-09-020-006. STAR X66-21931.
NR-E5-EJ-001-00038	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-38, GEOLOGICAL EVALUATION OF RADAR IMAGERY, SOUTHWESTERN AND CENTRAL UTAH. LOWELL S. HILPERT, U.S.G.S., SALT LAKE CITY, UTAH. AUGUST 1966. CONTRACT NO. R-09-020-015. STAR X66-21932.

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VR-E5-EJ-998-00039	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-39, INTERPRETATION OF ULTRAVIOLET IMAGERY OF THE METEOR CRATER, SALTON SEA AND ARIZONA SEDIMENTARY TEST SITES (MISSION 18, JANUARY 1966). WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C. AUGUST 1966. CONTRACT NO. R-146-09-020-006. STAR X67-10464.
	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-39A. SUPPLEMENT, INTERPRETATION OF ULTRAVIOLET IMAGERY OF THE METEOR CRATER, SALTON SEA AND ARIZONA SEDIMENTARY TEST SITES (MISSION 18, JANUARY 1966). WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C. AUGUST 1966. CONTRACT NUMBER R-146-09-020-006. STAR X67-10464.
VR-E5-DC-000-00040	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-40, GEOLOGIC INTERPRETATION OF THE GEMINI V PHOTOGRAPH OF THE SALT RANGE POTWAN PLATEAU REGION, WEST PAKISTAN. WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C. AND WALTER DANILCHIK, U.S.G.S., DENVER, COLORADO. AUGUST 1966. CONTRACT NO. R-146-09-020-013. STAR X66-21934.
VR-E5-DC-000-00041	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-41 POSSIBLE APPLICATION OF REMOTE-SENSING TECHNIQUES AND SATELLITE COMMUNICATIONS FOR EARTHQUAKE STUDIES. ROBERT E. WALLACE, U.S.G.S., MENLO PARK, CALIFORNIA, AND DAVID B. SLEMMONS, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. JUNE 1966. CONTRACT NO. R-09-020-015. STAR X66-19711.
VR-E5-DJ-C2- 00042	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-42. USE OF INFRARED IMAGERY IN STUDY OF THE SAN ANDREAS FAULT SYSTEM, CALIFORNIA. R.E. WALLACE, U.S.G.S., MENLO PARK, CALIFORNIA, AND R.M. MCXHAM, U.S.G.S., WASHINGTON, D.C. JUNE 1966. CONTRACT NO. R-09-020-015. STAR X66-20672.
VR-E5-3J-C00-00043	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-43, GEOLOGICAL UTILIZATION OF GEMINI COLOR PHOTOGRAPH OF DUBA AREA, SAUDI ARABIA. ROBERT F. JOHNSON, U.S.G.S., JIDDA, SAUDI ARABIA, AND JULES A. MACKALLOR, U.S.G.S., WASHINGTON, D.C. AUGUST 1966. CONTRACT NO. R-09-020-015. STAR X66-21935.
VR-E5-EJ-001-00044	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-44, PRELIMINARY REPORT ON RADAR IMAGERY OF CEDAR CITY-IRON SPRINGS AREA, UTAH. PAUL L. WILLIAMS, U.S.G.S., DENVER, COLORADO. SEPTEMBER 1966. CONTRACT NO. R-09-020-015, STAR X66-23895.

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VR-E5-JJ-024-00045	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-45, GEOLOGIC EVALUATION OF RADAR IMAGERY: SAN ANDREAS FAULT ZONE FROM STEVENS CREEK, SANTA CLARA COUNTY TO MISSEL ROCK, SAN MATEO COUNTY, CALIFORNIA. ROBERT D. BROWN, JR., U.S.G.S., MENLO PARK, CALIFORNIA. AUGUST 1966, CONTRACT NO. R-09-020-015.
VR-E5-00-000-00046	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-46, AN EVALUATION OF THE GEMINI IV COLOR PHOTOS OF THE GULF OF CALIFORNIA - CENTRAL TEXAS AREA. H. DREWES, U.S.G.S., DENVER, COLORADO. OCTOBER 1966. CONTRACT NO. R-09-020-013.
VR-E5-J-036-00047	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-47, GEOLOGIC EVALUATION OF RADAR IMAGERY OF THE SPANISH PEAKS REGION, COLORADO. ROSS B. JOHNSON, U.S.G.S., DENVER, COLORADO. OCTOBER 1966. CONTRACT NO. R-09-020-015.
VR-E5-GJ-017-00048	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-48, GEOLOGICAL EVALUATION OF RADAR IMAGERY, APPALACHIAN PIEDMONT, HARFORD AND YORK COUNTIES, MARYLAND AND PENNSYLVANIA. DAVID L. SOUTHWICK, U.S.G.S., WASHINGTON, D.C. OCTOBER 1966. CONTRACT NO. R-09-020-015.
VR-E5-EJ-073-00049	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-49, GEOLOGICAL EVALUATION OF K-BAND IMAGERY, NORTH-CENTRAL NEVADA. RALPH J. ROBERTS, U.S.G.S., MENLO PARK, CALIFORNIA, AUGUST 1966. CONTRACT NO. R-09-020-015.
VR-E5-00-000-00052	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-52, GEOLOGIC INVESTIGATIONS OF REMOTE SENSING TECHNIQUES, FINAL REPORT TO NASA, FY 1966. W. D. CARTER, GEOLOGY COORDINATOR, U.S.G.S., GEOLOGIC DIVISION, WASHINGTON, D.C. JULY 21, 1966. CONTRACT NOS. R-09-020-011, R-09-020-013, R-09-020-015, AND R-09-020-019. STAR X66-20443.
VR-E5-HM-000-00056	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-56, GEOLOGICAL EVALUATION OF NIMBUS VIDICON IMAGERY, NORTHWEST GREENLAND. WILLIAM E. DAVIES, U.S.G.S., WASHINGTON, D.C. OCTOBER 1966. CONTRACT NO. R-09-020-011.
VR-E5-00-000-00057	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-57. LIQUID NITROGEN BLACKBODY FOR SPECTRAL EMITTANCE STUDIES. D.L. DANIELS AND A.E. STOUDARD, U.S.G.S., WASHINGTON, D.C.. AUGUST 1966. CONTRACT NUMBER R-146-09-020-006. STAR X66-22081.

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VR-E5-EJ-053-00058	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-58, GEOLOGIC EVALUATION OF RADAR IMAGERY IN SOUTHERN UTAH, R. J. HACKMAN, U.S.G.S., WASHINGTON, D.C. NOVEMBER 1966, CONTRACT NO. R-09-020-015. STAR X67-11346.
VR-E5-JO-000-00059	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-59, ANALYSIS OF EARTH ORBITER TEST SITE PROGRAM IN RELATION TO U.S. MINERAL NEEDS. W. D. CARTER, U.S.G.S., WASHINGTON, D.C. AUGUST 1966. CONTRACT NO. R-09-020-013. STAR X66-37542.
VR-E5-EJ-028-00062	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-62. RADAR IMAGES - METEOR CRATER, ARIZONA. GERALD G. SCHABER, U.S.G.S., FLAGSTAFF, ARIZONA, NOVEMBER 1966. CONTRACT NO. R-09-020-015. STAR X67-10994.
VR-E5-GJ-000-00064	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-64, GEOLOGICAL EVALUATION OF NIMBUS VIDICON PHOTOGRAPHY, CHESAPEAKE BAY - BLUE RIDGE. CHARLES R. LEWIS AND WILLIAM E. DAVIES, U.S.G.S., WASHINGTON, D.C., NOVEMBER 1966. CONTRACT NO. R-09-020-011. STAR X67-11347.
VR-E5-JO-000-00070	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-70, MEASUREMENT OF LUMINESCENCE BY THE FRAUNHOFER LINE DEPTH METHOD. H. T. BETZ, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS. DECEMBER 1966. CONTRACT NO. R-146-09-020-006. STAR N67-13700.
VR-E5-EJ-013-00071	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-71, INFRARED IMAGERY OF LORDSBURG - SILVER CITY AREA, NEW MEXICO. WALDEN P. PRATT, U.S.G.S., DENVER, COLORADO, MAY 1968, CONTRACT NUMBER R-146-09-020-006. STAR N69-28394.
VR-E5-EK-110-00072	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-72, GEOLOGIC INTERPRETATION OF INFRARED IMAGERY OF THE PEND OREILLE AREA, IDAHO. JACK E. HARRISON, U.S.G.S., DENVER, COLORADO, MAY 1968. CONTRACT NUMBER R-09-020-015. STAR V68-23406.
VR-E5-EJ-008-00077	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-77, GEOLOGIC EVALUATION OF INFRARED IMAGERY OF HIGHLY FAULTED VOLCANIC TERRAIN IN SOUTHEAST OREGON. GEORGE W. WALKER, U.S.G.S., MENLO PARK, CALIFORNIA, JUNE 1967, CONTRACT NO. R-09-020-015.
VR-E5-EJ-015-00089	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-89, EKTACHROME AND EKTACHROME INFRARED PHOTOGRAPHY OF THE TWIN BUTTES AREA, ARIZONA. JOHN R. COOPER, U.S.G.S., DENVER, COLORADO, JANUARY 1968, CONTRACT NO. R-09-020-001. STAR X68-13263.

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VR-E5-EJ-003-00090	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-90, ADDITIONAL INFRARED SPECTRAL EMITTANCE MEASUREMENTS OF ROCKS FROM THE MONO CRATERS REGION, CALIFORNIA. DAVID L. DANIELS, U.S.G.S., WASHINGTON, D.C. OCTOBER 1967. CONTRACT NO. T-65754 STAR N69-28378.
VR-E5-EJ-002-00099	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-99, INFRARED SURVEY OF THE PISGAH CRATER AREA, SAN BERNARDINO COUNTY, CALIFORNIA; A GEOLIC INTERPRETATION, STEPHEN J. GAWARICKI, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. JANUARY 1969. CONTRACT NUMBER R-09-020-011. STAR N69-16109.
VR-E5-J0-000-00100	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-100, ULTRAVIOLET ABSORPTION AND LUMINESCENCE STUDIES, PROGRESS REPORT FOR THE PERIOD APRIL TO DECEMBER 1967. WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C. JANUARY 1968. CONTRACT NO. R-146-09-020-006. STAR N69-28401.
VR-E5-J0-000-00102	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-102, STRUCTURAL GEOLOGIC INTERPRETATION FROM RADAR IMAGERY, RIG, REEVES, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. DECEMBER 1968. CONTRACT NUMBER R-09-020-011. STAR N69-13927.
VR-E5-EJ-011-00104	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-104, A DISTINCTION BETWEEN BEDROCK AND UNCONSOLIDATED DEPOSITS ON 3-5U INFRARED IMAGERY OF THE YELLOWSTONE RHYOLITE PLATEAU. ROBERT L. CHRISTIANSEN, U.S.G.S., DENVER, COLORADO. MAY 1968. CONTRACT NO. R-09-020-015.
VR-E5-EJ-011-00106	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-106, EVALUATION OF RADAR AND INFRARED IMAGERY OF SEDIMENTARY ROCK TERRANE, SOUTH-CENTRAL YELLOWSTONE NATIONAL PARK, WYOMING. WILLIAM R. KEEFER, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. MAY 1968. CONTRACT NUMBER R-09-020-015. STAR N68-23210.
VR-E5-EJ-004-00113	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-113, GEOLOGIC EVALUATION OF THERMAL INFRARED IMAGERY, CALIENTE AND TEMBLOR RANGES, SOUTHERN CALIFORNIA. EDWARD W. WOLFE, U.S.G.S., FLAGSTAFF, ARIZONA, SEPTEMBER 1968, CONTRACT NO. W-12589. STAR N69-25U18.
VR-E5-J0-000-00121	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-121, APPLICATION OF ULTRAVIOLET REFLECTANCE AND STIMULATED LUMINESCENCE TO THE REMOTE DETECTION OF NATURAL MATERIALS, WILLIAM R. HEMPHILL, U.S.G.S., WASHINGTON, D.C. SEPTEMBER 1968. CONTRACT NUMBER T-65757, THIS REPORT WAS PRESENTED AT THE 1968 AMERICAN SOCIETY FOR PHOTOGRAVIMETRY CONVENTION, MARCH 12, SESSION B, APPLICATION OF REMOTE SENSING. STAR N69-28327.

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VR-E5-EJ-004-00133	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-133. GEOLOGIC EVALUATION OF RADAR IMAGERY, CALIENTE AND TEMBLOR RANGES, SOUTHERN CALIFORNIA. EDWARD W. WOLFE, U.S. GEOLOGICAL SURVEY, FLAGSTAFF, ARIZONA. JANUARY 1969. CONTRACT NUMBER R-09-020-011. STAR N69-16988.
VR-E5-JK-040-00137*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-137. THERMAL FEATURES AT SOME CASCADE VOLCANOES AS OBSERVED BY AERIAL INFRARED SURVEYS. ROBERT M. MOXHAM, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBER T-65754-G.
VR-E5-DJ-024-00139	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-139. POST-EARTHQUAKE INFRARED IMAGERY, PARKFIELD-CHOLAME, CALIFORNIA. EARTHQUAKES OF JUNE-AUGUST, 1966. ROBERT D. BROWN, JR., U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. JANUARY 1969. CONTRACT NUMBER R-09-020-011. STAR N69-16908.
VR-E5-EJ-139-00141*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-141. AERIAL INFRARED RECONNAISSANCE OF THE STEAMBOAT SPRINGS AREA, NEVADA. R.M. MOXHAM, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C., AND GORDON W. GREENE, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. DECEMBER 1968. CONTRACT NUMBER T-65754-G.
VR-E5-EJ-998-00144*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-144. GEOLOGIC EVALUATION OF REMOTE SENSING DATA - SITE 157 ANZA-BORREGO DESERT, CALIFORNIA. EDWARD W. WOLFE, U.S. GEOLOGICAL SURVEY, FLAGSTAFF, ARIZONA. MARCH 1969. CONTRACT NUMBER R-09-020-011.
VR-E5-EJ-998-00161*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-161. GEOLOGIC UTILITY OF SMALL-SCALE AIRPHOTOS. MALCOLM M. CLARK, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. 1969. CONTRACT NUMBER T-80485.
VR-E5-EJ-011-00165*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-165. GEOLOGIC EVALUATION OF ANOMALIES BETWEEN LIKE-POLARIZED AND CROSS-POLARIZED K-BAND SIDE-LOOKING RADAR IMAGERY OF YELLOWSTONE NATIONAL PARK. GERALD M. RICHMOND, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. CONTRACT NUMBER 160-75-01-43-10.
VR-E5-EJ-011-00166*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-166. DETECTION OF THICK SURFICIAL DEPOSITS ON 8-14μ INFRARED IMAGERY OF THE MADISON PLATEAU YELLOWSTONE NATIONAL PARK. HENRY A. WALDROP, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. OCTOBER 1969. CONTRACT NUMBER R-09-020-015.

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VR-E5-EJ-000-01001	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 1, SUPPORTING MEASUREMENTS OF PASSIVE MICROWAVE RADIOMETER SITES. JOSEPH LINTZ, JACK QUADE, ET AL. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA, CONTRACT NO. NGR 1-38-7751.
VR-E5-EJ-019-01003	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 3, CONFERENCE ON GROUND MEASUREMENTS FOR THE INSTRUMENT AND GEOLOGIC TERMS, JOSEPH LINTZ, JACK QUADE, ET AL, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA, CONTRACT NO. NGR 1-38-7751.
VR-E5-EJ-019-01004	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 4, SOIL STUDY OF SONORA PASS TEST SITE, JOSEPH LINTZ, JACK QUADE, ET AL, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NO. NGR 1-38-7751.
VR-E5-EJ-019-01007	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 7, SONORA PASS STANDARDS. DR. JOSEPH LINTZ, JACK QUADE, ET AL. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA CONTRACT NO. NGR 1-38-7751. STAR N69-74846
VR-E5-DJ-056-01008	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 8, PRELIMINARY GROUND TRUTH REPORT OF THE MT. LASSEN TEST SITE NO. 56 PETER CHAPMAN, PETER BRENNAN, JACK QUADE, PAT ROBERTSON, DAVID NICOLARSEN, AND DAVID KIRCHNER. MACKAY SCHOOL OF MINES UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NO. NAS 9-7044.
VR-E5-FH-000-01009	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 9, GROUND TRUTH PARAMETERS FOR PADRE ISLAND, TEXAS. JOSEPH LINTZ, JR., MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. AUGUST 1967. CONTRACT NUMBER NAS 9-7044. STAR N69-30685
VR-E5-EJ-998-01010	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 10, GROUND TRUTH FLIGHT DATA; MISSIONS 55 AND 56; SITE 56, MT. LASSEN, SITE 19, SONORA PASS, AND SITE 3, MONO CRATERS. JACK QUADE, PETER CHAPMAN, PETER BRENNAN AND PAT ROBERTSON, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA, OCTOBER 1967. CONTRACT NUMBER NAS 9-7044.
VR-E5-DO-000-01011	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 11, COMPUTER CONTROLLED X-RAY SPECTROMETRIC ANALYSIS OF GEOLOGICAL MATERIALS. PAUL A. WEYLER, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. MARCH 1968. CONTRACT NUMBER NGR 1-38-7751. STAR N69-30621

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VR-E5-EJ-019-01012	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 12. SURFACE CHEMISTRY OF MAJOR ROCK TYPES OF SONORA PASS TEST SITE, CALIFORNIA. JACK G. QUADE, PETER E. CHAPMAN AND PETER A. BRENNAN, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. JUNE 1968. CONTRACT NUMBER NGR 1-38-7754. STAR N69-30684
VR-E5-DJ-056-01013	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 13, GROUND DATA INVESTIGATIONS, MT. LASSEN, SITE 56 - MISSION 76, JACK G. QUADE, PETER E. CHAPMAN, AND PETER A. BRENNAN, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA, SEPTEMBER 1968. CONTRACT NUMBER NAS 9-7779. STAR N69-30618
VR-E5-EJ-019-01014	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 14, GROUND DATA INVESTIGATIONS, SONORA PASS, SITE 19-MISSION 78. JACK G. QUADE, PETER CHAPMAN, AND PETER BRENNAN, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. SEPTEMBER 1968. CONTRACT NUMBER NAS 9-7779.
VR-E5-DJ-056-01016	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 16, ALBEDO MEASUREMENTS AT THE MT. LASSEN TEST SITE. PETER BRENNAN, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. DECEMBER 1968. CONTRACT NUMBER NAS 9-7779.

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ACCESSION NUMBER	DESCRIPTION
VR-E7-00-000-00014	SELECTED BIBLIOGRAPHY OF THE TERRAIN SCIENCES, ROBERT F. HOLMES, AND JOSEPH J. FOOTEN, RAYTHEON COMPANY, AUTOMETRIC OPERATION, ALEXANDRIA, VIRGINIA, 1968
VR-E7-00-000-00033	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES, GEOLOGY-VO. 2. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C., CONTRACT NUMBER NSR 09-012-949. STAR N69-28160.
VR-E7-EJ-998-00045	EARTH RESOURCES AIRCRAFT PROGRAM STATUS REVIEW. VOL. 1, GEOLOGY, GEOGRAPHY, AND SENSOR STUDIES, EARTH RESOURCES DIVISION, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, 1969.
VR-E7-00-000-00055*	GEOLOGIC APPLICATIONS OF EARTH ORBITAL SATELLITES. W.T. PECORA, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT THE UNITED NATIONS CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE, JUNE 1968, STAR N69-40998.

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ACCESSION NUMBER	DESCRIPTION
VR-E8-EJ-019-00010	PRELIMINARY DETAILS OF SAMPLING LOCATIONS AT NASA SONORA PASS TEST SITE, CALIFORNIA; NORTHWESTERN UNIVERSITY REPORT NO. 5, WALTER A. BECKMAN, JR. AND E.H. TIMOTHY WHITTEN, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS, NASA RESEARCH GRANT NGR-14-007-027, JULY 22, 1966. STAR X66-21280.
VR-E8-FH-000-00016*	SELECTED GEOLOGIC LITERATURE - LOWER MISSISSIPPI VALLEY DIVISION AREA INDEX AND ANNOTATED BIBLIOGRAPHY, TECHNICAL REPORT NO. 3-712, ND SUPPLEMENT 3, ROGER T. SAUCIER, GEOLOGY BRANCH, U.S. ARMY ENGINEER WATERWAYS EXPERIMENT STATION, VICKSBURG, MISSISSIPPI, REPORT JAN. 1969, SUPPLEMENT 3 OCT. 1969.
VR-E8-DO-000-00062	A BRIEF SURVEY OF RADIATION EFFECTS APPLICABLE TO GEOLOGY PROBLEMS. PAUL W. LEVY, BROOKHAVEN NATIONAL LABORATORY, UPTON, NEW YORK, SEPTEMBER 1966.
VR-E8-DO-000-00076*	ELECTROMAGNETIC SCATTERING FROM ROUGH, FINITELY CONDUCTING SURFACES. ALEX STOGREN, SPACE-GENERAL CORP., EL MONTE, CALIFORNIA, PUBLISHED IN RADIO SCIENCE, VOL. 2, NEW SERIES, NO. 4, 1967. PP.415-428. MICROFICHE COPY.
* VR-E8-DO-000-00080	FORTRAN IV CDC 6400 COMPUTER PROGRAM TO ANALYZE SUBSURFACE FOLD GEOMETRY. NORTHWESTERN UNIVERSITY REPORT NO. 17, E.H.T. WHITTEN, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. CONTRACT NUMBER NGR-14-007-027, PUBLISHED AS COMPUTER CONTRIBUTION 25, STATE GEOLOGICAL SURVEY, UNIVERSITY OF KANSAS, LAWRENCE, SEPTEMBER 30, 1968. STAR N69-13568.
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VR-E8-DO-000-00156	THE TECTONICS OF NORTH AMERICA - A DISCUSSION TO ACCOMPANY THE TECTONIC MAP OF NORTH AMERICA, SCALE 1,5,000,000, PHILIP B. KING, U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969.
VR-E8-DO-000-00163	AN INVESTIGATION OF COPPER AND OTHER SELECTED ELEMENTS IN SOIL UTILIZING GAMMA RADIATIONS INDUCED BY THERMAL NEUTRON ACTIVATION, JERRY R. KLINE, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINNESOTA, DECEMBER 1964.

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VR-E8-EJ-998-00176	APPLICATION OF BIOGEOCHEMISTRY TO MINERAL PROSPECTING, NASA SP-5056, NORTH AMERICAN ROCKWELL CORP., ROCKETDYNE DIVISION, CANOGA PARK, CALIFORNIA. 1968. CONTRACT NUMBER NAS8-5604.
VR-E8-DO-000-00193	A DIGEST OF LITERATURE RELATED TO DETECTING BURIED FERROUS OBJECTS AND EARTH VOIDS BY MAGNETIC METHODS. REPORT NUMBER BAT-171-35. GEORGE J. FALKENBACH, BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO. JANUARY 1966. CONTRACT NO. SD-171, STAR X66-14183.
VR-E8-DO-000-00205	CHARACTERISTICS OF GAMMA FIELD IN CENTRAL KARAKUMY, AS INFLUENCED BY COMPOSITION OF SANDY SEDIMENTS. M.A. ROMANOVA AND B.V. SHILIN, LABORATORY OF MATHEMATICAL GEOLOGY AND THE LABORATORY OF AERIAL METHODS, LENINGRAD, USSR, PUBLISHED IN INTERNATIONAL GEOLOGY REVIEW, VOL. 11, NO. 8, AUG. 1967, PP. 911-918.
VR-E8-DO-000-00207*	DETERMINATION OF THE COMPOSITION OF ROCKS OF THE PALaeONIC BASEMENT ACCORDING TO CHARACTERISTIC PECULIARITIES OF THE ANOMALOUS MAGNETIC FIELD. A.V. GLAZUNOVA, U.S. AIR FORCE, AERONAUTICAL CHART AND INFORMATION CENTER, CARTOGRAPHY DIV., ST. LOUIS, MISSOURI, REPRINTED FROM IZVESTIA AKADEMII NAUK, SSR, NO. 6, 1966. PP. 65-74. MICROFICHE COPY, STAR N68-26059.
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VR-E8-DO-000-00220	NEAR SURFACE HORIZONTAL STRESSES INCLUDING THE EFFECTS OF ROCK ANISOTROPY. REPORT NO. 7224. VERNE E. HOOKER, ET AL. U.S. BUREAU OF MINES, DENVER, COLORADO. FEBRUARY 1969, ALSO ON MICROFICHE.
VR-E8-DO-000-00257	A DESCRIPTIVE CATALOG OF SELECTED AERIAL PHOTOGRAPHS OF GEOLOGIC FEATURES IN AREAS OUTSIDE THE UNITED STATES. U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 591. CHARLES S. DENNY, ET AL., U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969.
VR-E8-GG-000-00280*	A SELECTED BIBLIOGRAPHY OF GEOLOGY AND GEOPHYSICS FOR THE GULF OF MEXICO. REPORT NO. NOO-IR-68-89. H.R. ENSINGER AND W.T. MORTON, NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. SEPTEMBER 1968. STAR X69-17740. MICROFICHE COPY.

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**SECTION 09 TECHNICAL REPORTS**

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ACCESSION NUMBER	DESCRIPTION
VR-E9-30-000-00011	ASPECTS OF GEOLOGICAL SAMPLING AT TEST SITES. E. H. TIMOTHY WHITTEN, WALTER A. BECKMAN, JR., AND R. D. HOBSON, NORTHWESTERN UNIVERSITY, DEPARTMENT OF GEOLOGY, REPORT NUMBER 4, JULY 11, 1966. CONTRACT NO. NGR-14-007-027, STAR X66-21277.
VR-E9-EJ-051-00013	GEOLOGY OF THE ARIZONA SEDIMENTARY TEST SITE, CANE SPRINGS, ARIZONA. JOSEPH LINTZ, JR. AND PETER A. BRENNAN, UNIVERSITY OF NEVADA, MACKAY SCHOOL OF MINES, RENO, NEVADA. TECHNICAL REPORT NO. 3, REVISED APRIL 1966. CONTRACT NO. NCR-29-001-015. STAR X66-18384.
VR-E9-30-000-00014	CENOZOIC VOLCANISM OF THE CENTRAL SIERRA NEVADA, CALIFORNIA DAVID B. SLEMMONS, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. TECHNICAL REPORT NO. 4, APRIL 1965. CONTRACT NO. NCR-29-001-015. STAR X66-36635.
VR-E9-DJ-020-00015	GEOLOGY OF THE BUCKS LAKE, CALIFORNIA. DAVID B. SLEMMONS, WILLIAM TAFURI, AND GARY BALLEW, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. TECHNICAL REPORT NO. 5, MAY 1966. CONTRACT NO. NCR-29-001-015. STAR X66-18329.
VR-E9-EJ-051-00016	GEOLOGY OF THE CANE SPRINGS TEST SITE, ARIZONA. JOSEPH LINTZ, JR. AND PETER A. BRENNAN, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. TECHNICAL REPORT NO. 3, NOVEMBER 1965. CONTRACT NO. NCR-29-001-015. STAR X66-15544.
VR-E9-EJ-019-00017	GEOLOGY OF THE SONORA PASS-EMIGRANT BASIN, CALIFORNIA. DAVID B. SLEMMONS, MALCOLM HIBBARD, PETER CHAPMAN, JACK QUADE, JAMES SJOBERRY, AND DAVID STERLING, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. TECHNICAL REPORT NO. 1, DECEMBER 1965. CONTRACT NO. NGR-29-001-015. STAR X66-15544.
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VR-E9-EJ-002-00040	IDENTIFICATION OF REMOTE OBJECTS BY MEANS OF SCATTEROMETRY DATA AND APPLICATION TO PISGAH CRATER. CRES REPORT 61-17, G.W. DALKE, REMOTE SENSING LABORATORY, CENTER FOR RESEARCH INC., ENGINEERING SCIENCE DIVISION, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. CONTRACT NUMBER VSR-17-004-003. STAR N67-35533.
VR-E9-DO-000-00046*	AIR-PHOTO INTERPRETATION REDUCES COSTS FOR A WIDE VARIETY OF OILFIELD PROJECTS. C.E. ANDERSON, D.B. HORNE, ET AL., UNDERWOOD MCLELLAN AND ASSOCIATES, CALGARY, ALBERTA, CANADA. PUBLISHED IN CANADIAN MINING AND METALLURGICAL BULLETIN, VOL. 61, NO. 679, NOVEMBER 1968, PP. 1337-1341.
VR-E9-EJ-998-00048	INVESTIGATION OF CROSS-POLARIZED RADAR ON VOLCANIC ROCKS. CRES REPORT NO. 61-25, ELLIOT GILLERMAN, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 9, 1967, ISSUE DATE FEBRUARY 1967. CONTRACT NO. VSR-17-004-003. STAR N67-36566.
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VR-E9-EJ-019-00073	THE GEOCHEMISTRY OF THE FREMONT LAKE QUARTZ MONZONITES AND ASSOCIATED GRUSS, NASA SONORA PASS GEOLOGICAL TEST SITE, SIERRA NEVADA, CALIFORNIA, NORTHWESTERN UNIVERSITY REPORT NO. 14. ROBERT G. GARRETT, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS, NOVEMBER 17, 1967. CONTRACT NO. NGR-14-007-027. STAR V68-10180.
VR-E9-30-000-00076	EVALUATION OF INFRARED SPECTROPHOTOMETRY FOR COMPOSITIONAL ANALYSIS OF LUNAR AND PLANETARY SOILS. R.J.P. LYON, STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIFORNIA. APRIL 1963, PREPARED FOR NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C. TECHNICAL NOTE D-1871. CONTRACT NO. NASR-49(04). STAR N63-14406.
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VR-E9-EJ-185-00094*	BONANZA - A SYSTEMS APPROACH TO EARTH RESOURCES. W.W. GODWIN, ET AL., MARTIN MARIETTA CORP., DENVER, COLORADO. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO, OCTOBER 1969. PAPER AAS 69-574. MICROFICHE COPY.
VR-E9-30-000-00100*	QUARTZ MAGNETIC SENSOR. V.N. BOBROV, ET AL., AKADEMIJA NAUK, SSSR. PUBLISHED IN GEOMAGNETISM AND AERONOMY, VOL. 9, NO. 2, 1969. PP.307-308. MICROFICHE COPY.
VR-E9-EJ-002-00125	REMOTE SENSOR STUDIES OF THE PISGAH CRATER AREA, CALIFORNIA: A PRELIMINARY REPORT. TECHNICAL MEMORANDUM 61-18. L.F. DELIWIG, M.E. BICKFORD, N. KIRK, AND R. WALTERS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, DECEMBER 1965. CONTRACT NUMBER NSR 17-004-003.

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VR-E9-3H-000-00175*	ROLE OF SATELLITE PHOTOGRAPHS IN PHOTOGEOLOGY. J.G.W. GREENWOOD, INSTITUTE OF GEOLOGICAL SCIENCES, PHOTOGEOLOGY UNIT, LONDON, ENGLAND, PUBLISHED IN NATURE, VOL. 224, NOV. 1969. PP.506-508.
VR-E9-3J-000-00176*	TECTONIC AERIAL INTERPRETATION IN THE MEDITERRANEAN REGION EXEMPLIFIED BY THE METAMORPHIC SERIES OF EASTERN GREECE, NEAR MARATHON. J. BODECHTEL AND G. PAPADEAS, DEPT. OF GEOLOGY AND MINEROLOGY, UNIVERSITY OF MUNICH, GERMANY, PUBLISHED IN PHOTOGRAMMETRIA, VOL. 23, NO. 6, NOV. 1968. PP.201-210.
VR-E9-EJ-031-00180	RADAR GEOLOGY TEST AREA, WILLCOX PLAYA, ARIZONA. JAMES R. SHEPARD, U.S. ARMY CORPS OF ENGINEERS, GIMRADA, FT. BELVOIR, VIRGINIA. JANUARY 1966. CONTRACT NUMBER R-47-009-002.
VR-E9-30-000-00181	VARIANCE OF SOME SELECTED ATTRIBUTES IN GRANITIC ROCKS, NORTHWESTERN UNIVERSITY REPORT NUMBER 16. E.H. TIMOTHY WHITTEN, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. OCTOBER 1968. CONTRACT NUMBER NGR-14-007-027. STAR N69-30686
VR-E9-30-000-00183	A STATISTICAL ANALYSIS OF THE REFLECTANCE OF IGNEOUS ROCKS FROM 0.2 - 2.65 MICRONS. HOWARD P. ROSS, JOEL E.M. ADLER, AND GRAHAM R. HUNT, SPACE PHYSICS LABORATORY, AIR FORCE CAMBRIDGE RESEARCH LABORATORIES, OFFICE OF AEROSPACE RESEARCH, BEDFORD, MASSACHUSETTS. CONTRACT NUMBER NONE.
VR-E9-3J-056-00184	AIRBORNE MULTIFREQUENCY MICROWAVE RADIOMETRIC SENSING OF AN EXPOSED VOLCANIC PROVINCE, TECHNICAL MEMORANDUM 33-405, JET PROPULSION LABORATORY, CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIFORNIA. OCTOBER 15, 1968. JOHN C. BLINN, III, JET PROPULSION LABORATORY, AND PETER CHAPMAN AND JACK QUADE, UNIVERSITY OF NEVADA. CONTRACT NUMBER NAS 7-100.
VR-E9-EJ-000-00186*	IDAHO RIFT SYSTEM, SNAKE RIVER PLAIN, IDAHO. MARTIN PRINZ, DEPT. OF GEOLOGY AND INSTITUTE OF METEORITICS, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW MEXICO. PUBLISHED IN GEOLOGICAL SOCIETY OF AMERICA BULLETIN, VOL. 81, NO. 3, MARCH 1970. PP.941-947.
VR-E9-EJ-114-00197*	TERRAIN BIAS ON DOPPLER SYSTEM OUTPUT. REPORT NO. TR-68-6. NASA-CR-101804, H.S. HAYRE, WAVE PROPAGATION LAB., DEPT. OF ELECTRICAL ENGINEERING, UNIVERSITY OF HOUSTON, HOUSTON, TEXAS, 1969. CONTRACT NO. NAS9-6760. STAR N69-36215.

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| VR-E9-30-000-00218*  | TECHNIQUE OF MAPPING GEOLOGIC FRACTURE TRACES AND LINEAMENTS ON AERIAL PHOTOGRAPHS. COLLEGE OF MINERAL INDUSTRIES CONTRIBUTION NO. 57-9. LAURENCE H. LATTMAN, PENNSYLVANIA STATE UNIVERSITY, PA. PUBLISHED IN PHOTOGRAMMETRIC ENGINEERING, VOL. 24, NO. 4, 1958. PP.568-576.   |
| VR-E9-EJ-019-00222   | RE-EVALUATION OF THE NORMATIVE MINERALS OF SONORA PASS ROCK STANDARDS - UNIVERSITY OF NEVADA REPORTS NO. 7 AND NO. 12. STANFORD RSL TECH REPORT 68-2. I.A. KILING AND R.J.P. LYON, STANFORD UNIVERSITY, REMOTE SENSING LABORATORY, STANFORD, CALIFORNIA. NOVEMBER 16, 1968. CONTRACT NO. NAS 9-7313. STAR N69-31055      |
| VR-E9-EJ-002-00245   | A GEOSCIENCE EVALUATION OF MULTIFREQUENCY RADAR IMAGERY OF THE PISGAH CRATER AREA, CALIFORNIA. CRES REPORT 118-6, LOUIS F. DELLWIG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1968. CONTRACT NUMBER NAS 9-7175. STAR N69-32638                          |
| * VR-E9-EJ-000-00246 | LINEAMENTS IN THE GRAND CANYON AREA, NORTHERN ARIZONA - A RADAR ANALYSIS. CRES REPORT 118-9. LEE H. JEFFERIS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. FEBRUARY 1969. CONTRACT NUMBER NAS 9-7175. STAR N69-32799   |
| VR-E9-EJ-083-00247   | MAJOR LINEAMENTS AND POSSIBLE CALDERAS DEFINED BY SIDE-LOOKING AIRBORNE RADAR IMAGERY, ST. FRANCOIS MOUNTAINS, MISSOURI. CRES REPORT 118-12. ELLIOT GILLERMAN, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1968. CONTRACT NUMBER NAS 9-7175. STAR N69-32469 |
| VR-E9-EJ-003-00250   | QUANTITATIVE GEOLOGIC ANALYSIS OF MULTIBAND PHOTOGRAPHY FROM THE MONO CRATERS AREA, CALIFORNIA. RSL TECHNICAL REPORT 69-2. GARY I. BALLEW, SCHOOL OF EARTH SCIENCES, STANFORD UNIVERSITY, STANFORD, CALIFORNIA. FEBRUARY 1969. CONTRACT NUMBERS NGR-05-020-115 AND NAS 9-7313.   |
| VR-E9-MH-000-00255   | REGIONAL GEOLOGY OF THE NIGER RIVER HEADWATERS AREA DERIVED FROM SPACE PHOTOGRAPHY, REPORT NO. 1610-68-41. J.R. MUHM, MARTIN MARIETTA CORPORATION, ASTROGEOPHYSICS SECTION, DENVER DIVISION, DENVER, COLORADO, OCTOBER 1968.   |

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VR-E9-EJ-051-00295	GEOLOGIC EVALUATION BY RADAR OF NASA SEDIMENTARY TEST SITE. CRES REPORT 61-24. H.C. MACDONALD AND L.F. DELLWIG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, AND P.A. BRENNAN, UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NUMBERS NSR-17-004-003 AND NSG-298. REPRINTED FROM IEEE TRANSACTIONS ON GEOSCIENCE ELECTRONICS, V.GE-5, NO.3, DECEMBER 1967, P 72-78.
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VR-E9-00-000-00329	RADAR IMAGERY, A NEW TOOL FOR THE GEOLOGIST. CRES TECHNICAL MEMORANDUM 61-50. J.N. KIRK AND R.L. WALTERS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. PUBLISHED IN THE COMPASS OF SIGMA GAMMA EPSILON, V.43, NO.2, JANUARY 1966, P 85-93.

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VR-E9-30-000-00728*	A TERRAIN EVALUATION SYSTEM FOR ENGINEERING. K. GRANT, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, AUSTRALIA. APRIL 1968, STAR V69-22204.
VR-E9-30-000-00730*	EVIDENCE OF TRANSCURRENT MOVEMENTS IN RED SEA. NORTH AMERICAN ROCKWELL MONOGRAPH 577. MONEM ABDEL-GAWAD, NORTH AMERICAN ROCKWELL CORP., SCIENCE CENTER, THOUSAND OAKS, CALIFORNIA. REPRINTED FROM AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS BULLETIN, VOL. 53, NO. 7, JULY 1969, PP. 1466-1479.
VR-E9-3H-000-00731*	THE GULF OF SUEZ - A BRIEF REVIEW OF STRATIGRAPHY AND STRUCTURE. MONEM ABDEL-GAWAD, NORTH AMERICAN ROCKWELL CORP., SCIENCE CENTER, THOUSAND OAKS, CALIFORNIA. JUNE 1969.
VR-E9-3H-000-00733*	INTERPRETATION OF SATELLITE PHOTOGRAPHS OF THE RED SEA AND GULF OF ADEN. MONEM ABDEL-GAWAD, NORTH AMERICAN ROCKWELL CORP., SCIENCE CENTER, THOUSAND OAKS, CALIFORNIA. PRESENTED AT THE ROYAL SOCIETY (LONDON) MEETING ON THE STRUCTURE AND EVOLUTION OF THE RED SEA, AND THE NATURE OF THE RED SEA, GULF OF ADEN AND ETHIOPIAN RIFT JUNCTION, MARCH 1969.
VR-E9-RJ-000-00737*	UTILIZATION OF AERIAL PHOTOGRAPHY FOR THE GEOGRAPHIC STUDY OF THE DESERTS OF CENTRAL ASIA. M.P. PETROV, ACADEMIA NAUK, SSSR, LABORATORIIA AEROMETODOV, 1961. MICROFICHE COPY. STAR V70-11721.
VR-E9-EJ-998-00745*	STATISTICAL EVALUATION OF THE COMPOSITION, PHYSICAL PROPERTIES, AND SURFACE CONFIGURATION OF TERRESTRIAL TEST SITES AND THEIR CORRELATION WITH REMOTELY SENSED DATA. SEMI-ANNUAL STATUS REPORT - MARCH 31, 1968. NORTHWESTERN UNIVERSITY REPORT NUMBER 15. DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. MAY 24, 1968. CONTRACT NUMBER NGR-14-007-027, STAR X68-16119.
VR-E9-GK-126-00746*	STATISTICAL EVALUATION OF THE COMPOSITION, PHYSICAL PROPERTIES, AND SURFACE CONFIGURATION OF TERRESTRIAL TEST SITES AND THEIR CORRELATION WITH REMOTELY SENSED DATA. SEMI-ANNUAL STATUS REPORT - SEPTEMBER 30, 1968. NORTHWESTERN UNIVERSITY REPORT NO. 18. E.H. TIMOTHY WHITTEN DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. CONTRACT NUMBER NGR-14-007-027, STAR X69-10963.
VR-E9-30-000-00761*	ORL EXPERIMENT PROGRAM. VOL. 3, PART 2 - GEOLOGY/HYDROLOGY. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD. FEB. 1966. CONTRACT NUMBER NASW-1215. STAR N66-17048.

## TECHNICAL REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
VR-E9-30-000-00772*	ORL EXPERIMENT PROGRAM. VOL. 3, PART 13 - PHYSICAL SCIENCES. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD. FEB. 1966. CONTRACT NUMBER NASW-1215. STAR N66-17059.
VR-E9-30-000-00788*	BLOCK DIAGRAMS OF LANDSCAPES FOR TERRAIN CLASSIFICATION. REPORT NO. M.E.X.E. TN-6/66. C.J. LAWRENCE, MILITARY ENGINEERING EXPERIMENTAL ESTABLISHMENT, CHRISTCHURCH, ENGLAND. JANUARY 1968. STAR N69-38024.
VR-E9-3K-068-00816*	THE GEOLOGIC STORY OF MT. RAINER. U.S. GEOLOGICAL SURVEY BULLETIN 1292. DWIGHT R. CRANDELL, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969.
VR-E9-30-000-00845*	THERMOCHEMICAL REMANENT MAGNETIZATION (TCRM) IN BASALTIC ROCKS - EXPERIMENTAL CHARACTERISTICS. P.J. WASILENSKI, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PA. PUBLISHED IN JOURNAL OF GEOMAGNETISM AND GEOELECTRICITY, VOL. 21, NO. 3, 1969. PP.595-613.
VR-E9-EJ-181-00851*	ORBITAL IMAGES FOR PLACER PROSPECTING. FRANK J. WOBBER, IBM FEDERAL SYSTEMS DIV., GAITHERSBURG, MARYLAND. REPRINTED FROM WORLD MINING, JUNE 1969, P.36.
VR-E9-30-000-00852*	GEOLOGICAL DATA ACQUISITION FROM SPACE. FRANK J. WOBBER, IBM SPACE SYSTEMS CENTER, BETHESDA, MARYLAND. PRESENTED AT IBM ENVIRONMENTAL SCIENCES TECHNICAL SEMINAR, ARMONK, N.Y. OCT. 1967, PROCEEDINGS, PP.45-47.
VR-E9-3J-000-00853*	FRACTURE TRACES IN ILLINOIS. FRANK J. WOBBER, IBM SPACE SYSTEMS CENTER, BETHESDA, MARYLAND. REPRINTED FROM PHOTOGRAMMETRIC ENGINEERING, VOL. 33, MAY 1967, PP.499-506.
VR-E9-30-000-00854*	SPACE PHOTOGRAPHY AS A SEDIMENTOLOGICAL RESEARCH TOOL. FRANK J. WOBBER, IBM CCRP., ROCKVILLE, MARYLAND. PREPRINT OF PAPER PRESENTED AT AMERICAN SOCIETY OF PHOTOGRAMMETRY, SEMIANNUAL MEETING, SAN ANTONIO, TEXAS, OCT. 1968.
VR-E9-VH-000-00871*	PHOTO-INTERPRETATION STUDIES OF DESERT BASINS IN NORTHERN AFRICA. PART I, FINAL REPORT, MARCH 1963-JULY 1968. REPORT NO. AFCRL-68-0590. H.T.U. SMITH, UNIVERSITY OF MASSACHUSETTS, AMHERST, MASS. JUNE 1969. CONTRACT NUMBER AF19(628) 2486. STAR N69-38093.
VR-E9 3-000-00875*	BESTIMMUNG DER DICHTE VON GESTEINEN NACH DER GAMMA-ABSORPTIONSMETHODE BEI SCHMALEM STRAHLENBUNDEL MIT DEM SZINTILLATIONSZAHLER. TRANSLATION - DETERMINATION OF THE DENSITY OF ROCK BY THE GAMMA-ABSORPTION METHOD USING A NARROW BEAM OF RAYS WITH THE SCINTILLATION COUNTER. A.R. VOLKER, KARL-MARX UNIVERSITY, LEIPZIG, GERMANY. PUBLISHED IN GEOPHYSIK UND GEOLOGIE, FOLGE 7, 1965. PP.84-95.

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ACCESSION NUMBER

DESCRIPTION

- VR-E9-EJ-114-00895\* TERRAIN BIAS ON RADAR COPPLER SPECTRUM, H.S. HAYRE,  
UNIVERSITY OF HOUSTON, WAVE PROPAGATION LAB., HOUSTON, TEXAS  
NOVEMBER 1968.
- VR-E9-DO-000-00896\* PHOTOGEOLOGIC PROCEDURES II, GEOLOGIC INTERPRETATION AND  
MAPPING. GEOLOGICAL SURVEY BULLETIN 1043-A. RICHARD G.  
RAY, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1956.
- VR-E9-DO-000-00922\* UTILIZATION OF THE RESULTS OF GEOBOTANICAL INTERPRETATIONS  
OF AERIAL PHOTOGRAPHS IN LANDSCAPE INVESTIGATIONS OF THE  
NORTHERN CASPIAN SEA REGION. TRANSLATED FROM RUSSIAN.  
A.M. SHVYRYAEVA, USSR. JUNE 1969. STAR V70-11123.  
MICROFICHE COPY.
- VR-E9-DO-000-00923\* THE USE OF THE RESULTS OF GEOBOTANIC INTERPRETATION OF  
AERIAL PHOTOGRAPHS AND THE IDENTIFICATION OF LANDSCAPE  
FEATURES OF TERRITORIES, LENS FORMATION OF LEAKAGE WATERS  
ON BLACK EARTH AND IN THE SARPINSK LOWLAND.  
N.N. IORDANSKAYA AND A.V. SHAVYRIVA, USSR. OCT. 1969.  
MICROFICHE COPY.
- VR-E9-DE-000-00927\* THE GEOLOGY OF THE DUARINGA AND SAINT LAWRENCE 1 TO 250000  
SHEET AREAS, QUEENSLAND, E.J. MALONE, ET AL., BUREAU OF  
MINERAL RESOURCES, CANBERRA, AUSTRALIA. 1969.  
STAR N69-41353. MICROFICH COPY.

# **HYDROLOGY**

## **HYDROLOGY**

### **SECTION 01 - SITE MAPS**

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SITE MAPS - HYDROLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-F1-DK-040-00028	SITE 040-CASCADE MTNS., WASHINGTON	DETAIL	17 X 22
VR-F1-DK-040-00190	SITE 040-CASCADE MOUNTAIN, WASHINGTON	REGIONAL	17 X 22
VR-F1-GH-095-00024	SITE 095-EVERGLADES, FLORIDA SITE 098-HOMESTEAD, FLORIDA SITE 099-FLORIDA STRAITS SITE 107-CAPE SABLE SUBMARINE SPRING, FLORIDA SITE 108-CUTLER AREA SUBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-095-00053	SITE 095-EVERGLADES, FLA.	DETAIL	17 X 22
VR-F1-GH-095-00073	SITE 095-EVERGLADES, FLORIDA SITE 108-CUTLER AREA SUBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-098-00024	SITE 095-EVERGLADES, FLORIDA SITE 098-HOMESTEAD, FLORIDA SITE 099-FLORIDA STRAITS SITE 107-CAPE SABLE SUBMARINE SPRING, FLORIDA SITE 108-CUTLER AREA SLBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-099-00024	SITE 095-EVERGLADES, FLORIDA SITE 098-HOMESTEAD, FLORIDA SITE 099-FLORIDA STRAITS SITE 107-CAPE SABLE SUBMARINE SPRING, FLORIDA SITE 108-CUTLER AREA SLBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-106-00023	SITE 106-CLEARWATER/NAFLES SUBMARINE SPRING, FLA.	REGIONAL	17 X 22
VR-F1-GH-107-00024	SITE 095-EVERGLADES, FLORIDA SITE 098-HOMESTEAD, FLORIDA SITE 099-FLORIDA STRAITS SITE 107-CAPE SABLE SUBMARINE SPRING, FLORIDA SITE 108-CUTLER AREA SLBMARINE SPRING, FLORIDA	REGIONAL	17 X 22

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SITE MAPS - HYDROLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-F1-GH-108-00024	SITE 095-EVERGLADES, FLORIDA SITE 098-HOMESTEAD, FLORIDA SITE 099-FLORIDA STRAITS SITE 107-CAPE SABLE SUBMARINE SPRING, FLORIDA SITE 108-CUTLER AREA SUBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-108-00073	SITE 095-EVERGLADES, FLORIDA SITE 108-CUTLER AREA SUBMARINE SPRING, FLORIDA	REGIONAL	17 X 22
VR-F1-FK-118-00090	SITE 118-MISSOURI RIVER, N.D.	REGIONAL	17 X 22
VR-F1-FK-118-00202	SITE 118-MISSOURI RIVER, NORTH DAKOTA	REGIONAL	17 X 22
VR-F1-GJ-124-00082	SITE 124-DELMARVA PENINSULA DEL./ MD./VA.	REGIONAL	17 X 22
VR-F1-GJ-124-00137	SITE 124-DELMARVA PENINSULA, DELAWARE MARYLAND/VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-124-00173	SITE 124-DELMARVA PENINSULA, DELAWARE MARYLAND/VIRGINIA	REGIONAL	17 X 22
VR-F1-EJ-130-00030	SITE 130-SOUTHERN CALIF.	REGIONAL	17 X 22
VR-F1-GJ-142-00081	SITE 142-DELAWARE ESTUARY, PA./N.J.	REGIONAL	17 X 22
VR-F1-GJ-142-00136	SITE 142-DELAWARE ESTUARY, PA./N.J.	REGIONAL	17 X 22
VR-F1-CL-143-00067	SITE 143-COOK INLET, ALASKA	REGIONAL	17 X 22
VR-F1-EJ-144-00091	SITE 144-WISCONSIN SAND PLAINS	REGIONAL	17 X 22
VR-F1-EJ-144-00092	SITE 144-WISCONSIN SAND PLAINS	DETAIL	17 X 22
VR-F1-GH-145-00150	SITE 145-GULF COAST SPRINGS	REGIONAL	17 X 22
VR-F1-GH-145-00208	SITE 145-GULF COAST SPRINGS	REGIONAL	17 X 22
VR-F1-GH-145-00265	SITE 145-GULF COAST SPRINGS, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-146-00109	SITE 146-ALAFIA/PEACE RIVERS, FLORIDA	REGIONAL	17 X 22

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SITE MAPS - HYDROLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-F1-GH-146-00110	SITE 146-ALAFIA, PEACE RIVERS, FLORIDA REGIONAL		17 X 22
VR-F1-GH-146-00151	SITE 146-ALAFIA, PEACE RIVERS, FLORIDA REGIONAL		17 X 22
VR-F1-GH-146-00206	SITE 146-ALAFIA, PEACE RIVERS, FLORIDA REGIONAL		17 X 22
VR-F1-GH-146-00230	SITE 146-ALAFIA, PEACE RIVERS, FLORIDA REGIONAL		17 X 22
VR-F1-GH-146-00248	SITE 146-ALAFIA, PEACE RIVERS, FLA.	REGIONAL	17 X 22
VR-F1-GH-147-00149	SITE 147-LAKES/TAMPA, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-147-00205	SITE 147-LAKES/TAMPA, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-147-00225	SITE 147-LAKES/TAMPA, FLORIDA	REGIONAL	17 X 22
VR-F1-GH-147-00269	SITE 147-TAMPA LAKES, FLORIDA	REGIONAL	17 X 22
VR-F1-GJ-148-00084	SITE 148-LEHIGH RIVER, PA.	REGIONAL	17 X 22
VR-F1-HJ-151-00079	SITE 151-LONG ISLAND, N.Y.	REGIONAL	17 X 22
VR-F1-HJ-151-00140	SITE 151-LONG ISLAND, NEW YORK	REGIONAL	17 X 22
VR-F1-HJ-152-00080	SITE 152-BARNEGAT BAY, NEW JERSEY	REGIONAL	17 X 22
VR-F1-HJ-152-00085	SITE 152-BARNEGAT BAY, NEW JERSEY	DETAIL	17 X 22
VR-F1-HJ-152-00139	SITE 152-BARNEGAT BAY, NEW JERSEY	REGIONAL	17 X 22
VR-F1-HJ-152-00218	SITE 152-BARNEGAT BAY, NEW JERSEY	REGIONAL	17 X 22
VR-F1-HJ-161-00142	SITE 161-RARITAN RIVER, NEW JERSEY	REGIONAL	17 X 22
VR-F1-HJ-161-00217	SITE 161-RARITAN RIVER, NEW JERSEY	REGIONAL	17 X 22
VR-F1-GJ-168-00174	SITE 168-PATUXENT RIVER, MARYLAND SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-168-00198	SITE 168-PATUXENT RIVER, MARYLAND	REGIONAL	17 X 22
VR-F1-FH-171-00203	SITE 171-SABINE LAKE, LOUISIANA	REGIONAL	17 X 22
VR-F1-FH-171-00236	SITE 171-SABINE LAKE, LOUISIANA	REGIONAL	17 X 22

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SITE MAPS - HYDROLOGY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-F1-GJ-174-00174	SITE 168-PATUXENT RIVER, MARYLAND SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-174-00194	SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-174-00195	SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-174-00196	SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-GJ-174-00197	SITE 174-WALLOPS ISLAND, VIRGINIA	REGIONAL	17 X 22
VR-F1-FH-179-00227	SITE 179-LAGUNA MADRE AND CORPUS CHRISTI, TEXAS	REGIONAL	17 X 22
VR-F1-FH-179-00226	SITE 179-LAGUNA MADRE/CORPUS CHRISTI, REGIONAL TEXAS	REGIONAL	17 X 22
VR-F1-FH-179-00286	SITE 179-LAGUNA MADRE/CORPUS CHRISTI, REGIONAL TEXAS	REGIONAL	17 X 22
VR-F1-FH-179-00287	SITE 179-LAGUNA MADRE/CORPUS CHRISTI, REGIONAL TEXAS	REGIONAL	17 X 22
VR-F1-EJ-181-00215	SITE 181-COLORADO RIVER DELTA	REGIONAL	17 X 22

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**SECTION 2 - SITE DESCRIPTIONS**

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SITE DESCRIPTIONS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F2-DK-040-00024	SITE 040-CASCADE MTNS. (CASCADE GLACIER SITE), WASHINGTON
VR-F2-GH-095-00057	SITE 095-EVERGLADES, FLORIDA
VR-F2-FK-118-00068	SITE 118-MISSOURI RIVER, NORTH DAKOTA
VR-F2-FJ-120-00058	SITE 120-LAKE COLORADO CITY, TEX.
VR-F2-GJ-125-00059	SITE 125-ROXBORO RESERVOIR, N.C.
VR-F2-GJ-142-00061	SITE 142-DELAWARE ESTUARY, PENNSYLVANIA/NEW JERSEY
VR-F2-CL-143-00066	SITE 143-COOK INLET, ALASKA
VR-F2-FJ-144-00065	SITE 144-WISCONSIN SAND PLAINS
VR-F2-GJ-148-00062	SITE 148-LEHIGH RIVER, PENNSYLVANIA

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**SECTION 04 MISSION SCREENING AND**

**SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F4-JK-087-80022	MISSION NO. 22 SITE 087
VR-F4-GH-998-80050	MISSION NO. 50 SITES 099, 095, 108, 128
VR-F4-GH-998-80057	MISSION NO. 57 SITES 146, 158
VR-F4-GH-998-80067	MISSION NO. 67 SITES FIREANT, 145, 146, 147, 165,
VR-F4-L-166-80070	MISSION NO. 70 SITE 166
VR-F4-FJ-998-80080	MISSION NO. 80 SITES 076, 118, 171
VR-F4-H-998-80082	MISSION NO. 82 SITES 152, 161, 176, 147
VR-F4-FH-171-80087	MISSION NO. 87 SITE 171

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### **SECTION 05 TECHNICAL LETTER REPORTS**

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TECHNICAL LETTER REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F5-00-000-00021	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-21, LAKE SURVEYING TECHNIQUES IN THE GEOLOGICAL SURVEY PROGRESS REPORT, H.E. SKIBITZKE, U.S.G.S., WATER RESOURCES DIVISION, PHOENIX, ARIZONA, AND C.J. ROBINOVE, U.S.G.S., WATER RESOURCES DIVISION, WASHINGTON, D.C. JUNE 1966. CONTRACT NO. R-09-020-009. STAR X66-19232.
VR-F5-00-000-00050	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-50, A PRELIMINARY EVALUATION OF AIRBORNE AND SPACEBORNE REMOTE SENSING DATA FOR HYDROLOGIC USES. CHARLES J. ROBINOVE, U.S.G.S., WATER RESOURCES DIVISION, WASHINGTON, D.C. JULY 1966. CONTRACT NO. R-09-020-009. STAR X66-20466.
VR-F5-EU-116-00061	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-61, HYDROLOGIC INTERPRETATION OF NIMBUS VIDICON IMAGE -- GREAT SALT LAKE, UTAH. D. C. WAHL AND A. H. HANDY, U.S.G.S., WATER RESOURCES DIVISION, SALT LAKE CITY, UTAH, NOVEMBER 1966. CONTRACT NO. R-09-020-015. STAR X67-10480.
VR-F5-00-000-00068	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-68 HYDROLOGIC VALUATION OF GEMINI PHOTOGRAPHY OF FRINGES OF THE SAHARA: AFRICA. J.R. JONES, U.S.G.S., WASHINGTON, D.C. APRIL 1967. CONTRACT NO. R-09-020-015.
VR-F5-00-000-00074	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-74, AERIAL INFRARED SURVEYS IN WATER RESOURCES STUDY. R. M. MOXHAM, U.S.G.S., WASHINGTON, D.C. APRIL 1967. CONTRACT NO. R-146-09-020-006. STAR N68-14987.
VR-F5-DJ-000-00076	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-76 INFRARED IMAGERY OF PART OF THE HIGH CASCADE RANGE AND MCKENZIE RIVER VALLEY, OREGON. DONALD A. SWANSON, U.S.G.S., MENLO PARK, CALIFORNIA. JUNE 1967. CONTRACT NO. R-09-020-015.
VR-F5-HJ-123-00078	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-78, USE OF INFRARED IMAGERY IN CIRCULATION STUDIES OF THE MERRIMACK RIVER ESTUARY, MASSACHUSETTS. DONALD R. WIESNET AND JOHN E. COTTON, U.S.G.S., BOSTON, MASSACHUSETTS, OCTOBER 1967. WORK PERFORMED UNDER COOPERATIVE AGREEMENT BETWEEN THE U.S. GEOLOGICAL SURVEY AND THE WATER RESOURCES COMMISSION OF THE COMMONWEALTH OF MASSACHUSETTS.
VR-F5-EJ-003-00082	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-82, THERMAL ANOMALIES AND GELOGIC FEATURES OF THE MONO LAKE AREA, CALIFORNIA, AS REVEALED BY INFRARED IMAGERY. JULES D. FREIDMAN, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. SEPTEMBER 1968. CONTRACT NUMBER R-146-09-020, STAR N69-41239.

TECHNICAL LETTER REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F5-EJ-011-00083	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-83. GEOLOGICAL EVALUATION OF INFRARED IMAGERY, EASTERN PART OF YELLOWSTONE NATIONAL PARK, WYOMING AND MONTANA. HARRY W. SMEDES, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. DECEMBER 1968. CONTRACT NUMBER R-09-020-011. STAR N69-12276.
VR-F5-EJ-101-00084	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-84. RADAR IMAGES - SAN FRANCISCO VOLCANIC FIELD, ARIZONA - A PRELIMINARY EVALUATION, GERALD G. SCHABER, U.S.G.S., FLAGSTAFF, ARIZONA. AUGUST 1967. CONTRACT NO. R-09-020-015. STAR N68-13146.
VR-F5-EJ-011-00093	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-93. EVALUATION OF INFRARED IMAGERY APPLICATIONS TO STUDIES OF SURFICIAL GEOLOGY -- YELLOWSTONE PARK. KENNETH L. PIERCE, U.S. GEOLOGICAL SURVEY, DENVER, COLORADO. MAY 1968. CONTRACT NUMBER R-09-020-015, STAR N68-05120.
VR-F5-DO-000-00096	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-96. VACUUM ULTRAVIOLET MEASUREMENTS OF REFLECTANCE AND LUMINESCENCE FROM VARIOUS ROCK SAMPLES. H.V. WATTS AND H.J. GOLDMAN, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS. JANUARY 1968. CONTRACT NO. T-65757. (CONTINUATION OF INFORMATION IN TECHNICAL LETTER NASA-32.) STAR N69-28158.
VR-F5-DO-000-00101	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-101. THE REMOTE MEASUREMENT OF RHODAMINE B CONCENTRATION WHEN USED AS FLUORESCENT TRACER IN HYDROLOGIC STUDIES. H.T. BETZ, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS, JANUARY 1968. CONTRACT NO. R-146-09-02-006. STAR N69-28396.
VR-F5-DK-040-00107	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-107. SYNOPTIC TEMPERATURE MEASUREMENTS OF A GLACIER LAKE AND ITS ENVIRONMENT. WILLIAM J. CAMPBELL, U.S.G.S., TACOMA, WASHINGTON. FEBRUARY 1968. CONTRACT NO. R-146-09-020-006 STAR N69-28506.
VR-F5-EJ-011-00109	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-109. GEOTHERMAL STUDIES - YELLOWSTONE NATIONAL PARK (TEST SITE 11), WYOMING. D.E. WHITE, R.O. FOURNIER, L.J.P. M. FLER, AND A.H. TRUESELL, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. MAY 1968. TASK NO. 160-75-01-52-10. STAR N68-25251.

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ACCESSION NUMBER	DESCRIPTION
VR-F5-DJ-061-00110	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-110. AERIAL INFRARED IMAGES OF THE GEYSERS GEOTHERMAL STEAM FIELD AND VICINITY, SONOMA COUNTY, CALIFORNIA. ROBERT M. MOXHAM, U.S.G.S., WASHINGTON, D.C. MAY 1968. CONTRACT NUMBER T-65754-G. STAR N69-28453.
VR-F5-DJ-061-00123	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-123. AERIAL INFRARED SURVEYS AT THE GEYSERS GEOTHERMAL STEAM FIELD, CALIFORNIA. ROBERT M. MOXHAM, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. SEPTEMBER 1968. CONTRACT NO. T-65754-G. STAR N68-37353.
VR-F5-JO-000-00127	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-127. REMOTE DETECTION OF SOLAR STIMULATED LUMINESCENCE. WILLIAM R. HEMPHILL, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. SEPTEMBER 1968. CONTRACT NUMBER T-65757. STAR N69-10855.
VR-F5-JO-000-00134	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-134. BIBLIOGRAPHY OF REMOTE SENSING OF EARTH RESOURCES FOR HYDROLOGICAL APPLICATIONS, 1960-1967. RITA K. LLAVERIAS, U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION, ARLINGTON, VA. NOVEMBER 1968. CONTRACT NUMBER R-146-09-020-011. STAR N69-28505.
VR-F5-JO-000-00158*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-158. FRAUNHOFER LINE-DEPTH SENSING APPLIED TO WATER. GEORGE E. STOERTZ, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBER T-80-85C.

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**SECTION 07 SUMMARY REPORTS**

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SUMMARY REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F7-10-000-00034	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. HYDROLOGY-Vol. 2. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C., CONTRACT NUMBER NSR 09-012-909, STAR V69-28360.

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### **SECTION 08 SUBJECT RELATED DOCUMENTS**

PAGE F8-0001

SUBJECT RELATED DOCUMENTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F8-00-000-00019	WATER RESOURCES RESEARCH CATALOG, VOLUME 2. OFFICE OF WATER RESOURCES RESEARCH, U.S. DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C. NOVEMBER 1966.
VR-F8-00-000-00158	INDEX TO CATALOG OF INFORMATION ON WATER DATA, WATER QUALITY STATIONS. EDITION 1967. COMPILED BY K.F. HARRIS, J.R. RAPP, AND W.W. DOYEL. U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, OFFICE OF WATER DATA COORDINATION, WASHINGTON, D.C.
VR-F8-00-000-00171	ICE OBSERVATIONS 1964. HUDSON BAY AND APPROACHES. METEOROLOGICAL BRANCH, DEPT. OF TRANSPORT, OTTAWA, CANADA. 1964. STAR X68-12805
VR-F8-00-000-00185	WATER RESOURCES RESEARCH CATALOG, VOL. 3. OFFICE OF WATER RESOURCES RESEARCH, U.S. DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C. DECEMBER 1967.
VR-F8-00-000-00213	FEDERAL PLAN FOR COORDINATION OF NATIONAL NETWORK AND SPECIALIZED WATER-DATA ACQUISITION ACTIVITIES, 1966 FISCAL YE. U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. NOVEMBER 1966.
VR-F8-00-000-00235*	BIBLIOGRAPHY ON SNOW, ICE AND FROZEN GROUND. VOL. XXII. REPORT NO. CRRL 12. U.S. ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, NEW HAMPSHIRE. JUNE 1968. MICROFICHE COPY. STAR N68-35240.
VR-F8-00-000-00320*	ANNOTATED BIBLIOGRAPHY ON HYDROLOGY AND SEDIMENTATION 1963-1965. JOINT HYDROLOGY-SEDIMENTATION BULLETIN NO. 9. U.S. DEPT. OF AGRICULTURE, WASHINGTON, D.C. JUNE 1969.
VR-F8-00-000-00345*	REMOTE SENSING OF CROP WATER DEFICITS AND ITS POTENTIAL APPLICATIONS. AN ANNOTATED BIBLIOGRAPHY. TECHNICAL REPORT RSC-06. W.P. DAVID, TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS. SEPTEMBER 1969.
VR-F8-00-000-00346*	REMOTE SENSING OF CROP WATER DEFICITS - BIBLIOGRAPHY WITH ABSTRACTS. TECHNICAL REPORT RSC-07. W.P. DAVID, TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS. SEPTEMBER 1969.
VR-F8-3H-057-00380*	FRESH-WATER SPRINGS OF HAWAII FROM INFRARED IMAGES. REPORT NO. ATLAS HA-218. WILLIAM A. FISCHER, DAN A. DAVIS AND THERESE M. SOUSA, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1966.

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### **SECTION 09 TECHNICAL REPORTS**

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## TECHNICAL REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F9-SJ-000-00081	AN EVALUATION OF RADAR IMAGERY AS A TOOL FOR DRAINAGE BASIN ANALYSIS. CRES TECHNICAL REPORT 61-31. ROGER M. MCCOY, REMOTE SENSING LABORATORY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, AUGUST 1967. CONTRACT NOS. NSR 17-004-003 AND GRANT NSG-298. STAR N69-11953.
VR-F9-DO-000-00159	AUTOMATIC MEASUREMENT AND REDUCTION OF DRAINAGE BASIN DATA. TECHNICAL MEMORANDUM 61-32. G. DALKE AND R. MCCOY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-F9-DO-000-00226	PASSIVE MICROWAVE MEASUREMENTS OF SNOW AND SOIL, VOLUME 1, INSTRUMENTATION AND MEASUREMENTS. TECHNICAL REPORT NO. 2, SGC 829R-4. J.M. KENNEDY, ET. AL., SPACE-GENERAL, A DIVISION OF AEROJET-GENERAL CORPORATION, EL MONTE, CALIF. NOVEMBER 5, 1966. CONTRACT NUMBER NONR 4767(00).
VR-F9-DO-000-00227	PASSIVE MICROWAVE MEASUREMENTS OF SNOW AND SOIL, VOLUME II, ANALYSIS. TECHNICAL REPORT NO. 2, SGC 829R-4, J.M. KENNEDY, ET. AL., SPACE-GENERAL, A DIVISION OF AEROJET-GENERAL CORPORATION, EL MONTE, CALIFORNIA. NOVEMBER 5, 1966. CONTRACT NUMBER NONR 4757(00).
VR-F9-SJ-163-00376	APPLICATIONS OF REMOTE PHOTOGRAPHY TO THE STUDY OF COASTAL ECOLOGY IN BISCAYNE BAY, FLORIDA. MAHLON G. KELLY, DEPT. OF BIOLOGY, UNIVERSITY OF MIAMI, CORAL GABLES, FLORIDA. JULY 1969. CONTRACT NUMBER N-62306-69-C-0032.
VR-F9-DO-000-00436	MANAGEMENT OF HYDROLOGIC SYSTEMS FOR WATER QUALITY CONTROL. PHILIP C. WOOD, SANITARY ENGINEERING RESEARCH LABORATORY, COLLEGE OF ENGINEERING AND SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA. CONTRIBUTION NO. 121, JUNE 1967.
VR-F9-EJ-000-00469*	PLAYA SURFACE MORPHOLOGY - MISCELLANEOUS INVESTIGATIONS. REPORT NO. AFCRL-68-0133. AIR FORCE CAMBRIDGE RESEARCH LAB, BEDFORD MASS. MARCH 1968. MICROFICHE COPY. STAR N68-27352
VR-F9-SJ-043-00482	HEAVY SNOW IN THE CHICAGO AREA AS REVEALED BY SATELLITE PICTURES. SATELLITE AND MESOMETEOROLOGY RESEARCH PROJECT PAPER NO. 75. JAMES BLUNTING AND DONNA LAMB, DEPARTMENT OF GEOPHYSICAL SCIENCES, THE UNIVERSITY OF CHICAGO. JULY 1968. GRANT NUMBER CWB WBG-34. STAR N69-15965.

TECHNICAL REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F9-DJ-012-00496	OPTICAL PROPERTIES OF CLEAR NATURAL WATER, RAYMOND C. SMITH AND JOHN E. TYLER, SCRIPPS INSTITUTION OF OCEANOGRAPHY, UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIFORNIA. REPRINTED FROM JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, VOL. 57, NO. 5, MAY 1967. PP. 589-595.
VR-F9-DO-000-00511	OPERATIONAL SNOW MAPPING FROM SATELLITE PHOTOGRAPHY, JAMES C. BARNES AND CLINTON J. BOWLEY, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. CONTRACT NUMBER E-196-68. PRESENTED AT EASTERN SNOW CONFERENCE, FEBRUARY 1969, PORTLAND, MAINE.
VR-F9-DO-000-00512	SATELLITE PHOTOGRAPHY FOR SNOW SURVEILLANCE IN WESTERN MOUNTAINS. JAMES C. BARNES AND CLINTON J. BOWLEY, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. PRESENTED AT WESTERN SNOW CONFERENCE, SALT LAKE CITY, UTAH, APRIL 1969.
VR-F9-DO-000-00517	PHOTOGRAMMETRY APPLIED TO ARCTIC GLACIER SURVEY. WOLFGANG FAIG, DEPARTMENT OF SURVEYING ENGINEERING, UNIVERSITY OF NEW BRUNSWICK, CANADA. FEBRUARY 1966. STAR X66-18589.
VR-F9-DO-000-00553*	LONG-DISTANCE AIRBORNE GLACIAL SOUNDING. TECHNICAL REPORT ECOM-2887. JOHN W. WALKER, U.S. ARMY, ELECTRONICS COMMAND, FORT MONMOUTH, NEW JERSEY. SEPTEMBER 1967. MICROFICHE COPY. STAR N68-37759.
* VR-F9-DO-000-00558*	EVALUATION OF MULTISPECTRAL IMAGERY FOR A TIDAL MARSH ENVIRONMENT. RAYMOND PESTRNG, STANFORD UNIVERSITY, GEOPHYSICS DEPT., REMOTE SENSING LAB., STANFORD, CALIFORNIA. 1968. CONTRACT NUMBER NONR 4430(00). MICROFICHE COPY. STAR N68-34661.
VR-F9-DO-000-00563*	ALBEDO OF ICE IN THE ARCTIC SEAS ACCORDING TO DATA FROM AIRCRAFT OBSERVATIONS. A. YA. BUZUYEV, ET AL., RAND CORP., SANTA MONICA, CALIFORNIA. APRIL 1968. MICROFICHE COPY. STAR N69-12339.
VR-F9-3L-C93-00570*	MULTISPECTRAL SURVEY OF ARCTIC REGIONS. FINAL REPORT. ROBERT HORVATH, UNIVERSITY OF MICHIGAN, INSTITUTE OF SCIENCE AND TECHNOLOGY, WILLOW RUN LABORATORIES, ANN ARBOR, MICH. JANUARY 1968. CONTRACT NO. DA-28-043-AMC-0013(E). STAR N68-32521. MICROFICHE COPY.
VR-F9-DO-000-00571*	THE EFFECT OF RAIN CLOUDS ON THE DESIGN OF RADAR ALTIMETERS. C.H. BIDWELL, SANDIA CCRP., ALBUQUERQUE, NEW MEXICO. OCTOBER 1961. PUBLISHED IN NUCLEAR ABSTRACTS, 16.3184 (SCR-430).

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ACCESSION NUMBER	DESCRIPTION
VR-F9-30-000-00579*	BREAKUP OF ICE, MEADE RIVER, ALASKA. SPECIAL REPORT 118. PHILIP L. JOHNSON, U.S. ARMY, COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, NEW HAMPSHIRE, OCTOBER 1967, MICROFICHE COPY. STAR N68-26340.
VR-F9-3J-000-00592*	A TECHNIQUE FOR SAMPLING GENERAL FISH HABITAT CHARACTERISTICS OF STREAMS. U.S. FOREST SERVICE RESEARCH PAPER INT-41, 1967. ROSCOE B. HERRINGTON AND DONALD K. DUNHAM, U.S. DEPT. OF AGRICULTURE, INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION, FOREST SERVICE, OGDEN, UTAH.
VR-F9-30-000-00600*	MANUAL OF FORECASTING ICE-FORMATION FOR RIVERS AND INLAND LAKES. MANUAL OF HYDROLOGICAL FORECASTING, NO. 4. MAIN ADMINISTRATION OF THE HYDROMETEOROLOGICAL SERVICE, CENTRAL FORECASTING INSTITUTE, RUSSIA. 1963, STAR N68-82744.
VR-F9-30-000-00604	A RAINFALL RATE SENSOR. TECHNICAL MEMORANDUM ERLTM-NSS-42, BRIAN E. MORGAN, ESSA COAST AND GEODETIC SURVEY, NATIONAL SEVERE STORMS LABORATORY, NORMAN, OKLAHOMA, NOVEMBER 1968.
VR-F9-4J-998-00639*	INFRARED IMAGING FOR WATER RESOURCES STUDIES. JAMES I. TAYLOR, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA. AND RONALD W. STINGELIN, HRB-SINGER, INC., STATE COLLEGE, PA. PUBLISHED IN PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, VOL. 95, JAN. 1969. PP.175-189.
VR-F9-30-000-00641*	AERIAL PHOTO TECHNIQUES FOR RECREATION INVENTORY OF MOUNTAIN LAKES AND STREAMS. U.S. FOREST SERVICE RESEARCH PAPER INT-37. ROSCOE B. HERRINGTON AND C. ROSS TOCHER, U.S. DEPT. OF AGRICULTURE, INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION, OGDEN, UTAH. 1967.
VR-F9-30-000-00647*	THE NEAR INFRARED ABSORPTION OF LIQUID WATER. J.A. CURCIO, AND C.C. PETTY, U.S. NAVAL RESEARCH LAB., WASHINGTON, D.C. PUBLISHED IN JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, VOL. 41, NO. 5, MAY 1951. PP.302-304.
VR-F9-3H-998-00648*	REMOTE-SENSING APPLICATIONS TO HYDROBIOLOGY IN SOUTH FLORIDA. MILTON C. KOLIPINSKI AND AARON L. HIGER, U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIV., MIAMI, FLORIDA. REPRINTED FROM NATIONAL AERONAUTICS AND SPACE ADMINISTRATION EARTH RESOURCES AIRCRAFT PROGRAM, STATUS REVIEW, VOL. III, HYDROLOGY, OCEANOGRAPHY, AND SENSOR STUDIES. PRESENTED AT THE NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, SEPTEMBER 16 - 18, 1968.

## TECHNICAL REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
VR-F9-70-000-00649*	CONTRIBUTION TO THE SELECTION OF RADIOACTIVE TRACERS FOR HYDROGEOLOGY. (TRANSLATED FROM FRENCH), A. LALLEMAND, BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES, PARIS, FRANCE, JUNE 1969. STAR N69-35940.
VR-F9-4M-000-00650*	AERIAL ICE OBSERVING AND RECONNAISSANCE - BAFFIN BAY, DAVID STRAIT AND FOXE BASIN, METEOROLOGICAL BRANCH, DEPT. OF TRANSPORT, CANADA, 1961. STAR X69-85043.
VR-F9-30-000-00666*	SATELLITE SNOW SURVEILLANCE - A DOWN-TO-EARTH USE OF SPACE TECHNOLOGY. JAMES C. BARNES AND CINTON J. BOWLEY, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. PRESENTED AT SPACE TECHNOLOGY, AND SOCIETY, MARCH 1969. CAPE CANAVERAL, FLA. VOL. 1, PP.5-1 - 5-12.
VR-F9-30-000-00687*	NAVIGATION SYSTEMS USED FOR ICE RECONNAISSANCE IN CANADA. H.J. BELL, TELECOMMUNICATIONS AND ELECTRONICS BRANCH, DEPT. OF TRANSPORT, CANADA. PUBLISHED IN CANADIAN AERONAUTICS AND SPACE JOURNAL, VOL. 14, NO. 10, DEC. 1968. PP.399-406.
VR-F9-4J-000-00707*	PROJECT AQUA-MAP DEVELOPMENT OF AERIAL PHOTOGRAPHY AS AN AID TO WATER QUALITY MANAGEMENT. REPORT NO. CAL VT-2449-0-1. G. NEUMAIER, F. SILVESTRO, ET AL., CORNELL AERONAUTICAL LABORATORY, INC., BUFFALO, N.Y. SEPTEMBER 1967. CONTRACT NUMBER HC-9768.
VR-F9-4J-000-00708*	PROJECT AQUA-MAP II DEVELOPMENT OF AERIAL PHOTOGRAPHY AS AN AID TO WATER QUALITY MANAGEMENT. CAL FINAL REPORT VT-2614-0-1. FRANK B. SILVESTRO AND KENNETH R. PIECH, CORNELL AERONAUTICAL LAB., INC., BUFFALO, N.Y. JANUARY 1969. CONTRACT NUMBER D26064.
VR-F9-RJ-000-00736*	INTERPRETATION OF GROUND WATER OF TYPICAL LANDSCAPES IN THE CASPIAN LOWLAND ON AERIAL PHOTOGRAPHS. B.V. VINOGRADOV, ET AL., ACADEMY OF SCIENCES, LABORATORIIA AEROMETODOV, USSR, 1962. MICROFICHE COPY. STAR V70-11529.
VR-F9-30-000-00738*	THE EFFECT OF UNDERLYING SURFACE ON READINGS OF THE RVTD-A RADIO ALTIMETER. N.P. KOZHEVNILOV, AIR FORCE SYSTEMS COMMAND, WRIGHT-PATTERSON AFB, OHIO. PUBLISHED IN GEODEZIYA I KARTOGRAFIYA, NO. 1, 1968. PP.49-55.
VR-F9-RJ-000-00744*	AERIAL PHOTOGRAPHIC METHOD FOR STUDYING GROUND WATER. G.E. MEER, ET AL., USSR 1962. STAR V69-40218, MICROFICHE COPY.

TECHNICAL REPORTS - HYDROLOGY

- | ACCESSION NUMBER    | DESCRIPTION   |
|---------------------|---|
| VR-F9-RJ-000-00756* | STUDY OF THE SPECTRAL BRIGHTNESS OF SOME LANDSCAPE ELEMENTS FOR INTERPRETATION OF GROUND WATER ON AERIAL PHOTOGRAPHS. REPORT NO. FSTC-HT-23-253-68. E.S. ARTSYBASHEV, USSR. 1962. MICROFICHE COPY. STAR N70-11722.  |
| VR-F9-SH-095-00776* | APPLICATIONS OF AERIAL PHOTOGRAPHY AND REMOTE SENSING TO HYDROBIOLOGICAL RESEARCH IN SOUTH FLORIDA. U.S. GEOLOGICAL SURVEY OPEN-FILE REPORT. MILTON C. KOLIPINSKI AND AARON L. HIGER, U.S. GEOLOGICAL SURVEY, MIAMI, FLORIDA. FEB. 1968.  |
| VR-F9-00-000-00779* | INDUSTRIAL EFFLUENT DIFFUSION IN RIVERS. A NEW APPROACH TO THEORY AND MEASUREMENT. KENNETH R. PIECH, FRANK B. SILVESTRO, ET AL., CORNELL AERONAUTICAL LAB., INC., BUFFALO, NEW YORK. REPRINTED FROM THE PROCEEDINGS OF THE INSTITUTE OF ENVIRONMENTAL SCIENCES, 15TH ANNUAL TECHNICAL MEETING, ANAHEIM, CALIFORNIA, APRIL 1969. |
| VR-F9-00-000-00823* | SPACE APPLICATIONS IN WATER RESOURCE DEVELOPMENT. CHARLES J. ROBINOVE, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT THE U.N. CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE, VIENNA, AUSTRIA. AUG. 1968. STAR N69-41211.   |
| VR-F9-00-000-00835* | SURFACE MEASUREMENTS OF SNOW AND ICE FOR CORRELATION WITH AIRCRAFT AND SATELLITE OBSERVATIONS. REPORT NO. CRREL-SR-127, MICHAEL A. BILELLO, U.S. ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, N.H. MAY 1969. STAR N69-37762.   |
| VR-F9-00-000-00931* | INTERPRETATION OF GROUND WATER OF TYPICAL LANDSCAPES IN TURKMENIA ON AERIAL PHOTOGRAHPS. G. YA. MEYER, ET AL., USSR. TRANSLATION OF AKADEMIIA NAJK, SSSR, LABORATORIIA AEROMETODOV PRIMENENIES AEROMETODOV DLIA IZUCHENIIA GRUNTOVYKH VOD. 1962, PP.16-32. STAR N69-40545. MICROFICHE COPY.                                     |
| VR-F9-00-000-00979* | LANDSCAPE INVESTIGATIONS OF RESERVOIRS USING AERIAL METHODS. N.N. SOKOLOV, USSR. TRANSLATED FROM SELSKOKHOZIASTVENNAI AKADEMIIA, 1964, PP.217-224. STAR N70-10609. MICROFICHE COPY.   |
| VR-F9-GJ-167-C1982* | GREAT LAKES ICE COVER WINTER 1962-63 AND 1963-64. DONALD R. RONDY, GREAT LAKES RESEARCH CENTER, LAKE SURVEY DISTRICT, CORPS OF ENGINEERS, DETROIT, MICHIGAN. JUNE 1969. MICROFICHE COPY.  |

# OCEANOGRAPHY

**OCEANOGRAPHY**  
**SECTION 01 SITE MAPS**

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SITE MAPS - OCEANOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-G1-EJ-026-00255	SITE - LA JOLLA, CALIFORNIA	REGIONAL	17 x 22
VR-G1-HJ-086-00016	SITE 086-ARGUS ISLE, BERMUDA	REGIONAL	17 x 22
VR-G1-HJ-086-00017	SITE 086-ARGUS ISLE, BERMUDA	DETAIL	17 x 22
VR-G1-HJ-086-00056	SITE 086-ARGUS ISLE, BERMUDA	REGIONAL	17 x 22
VR-G1-HJ-086-00057	SITE 086-ARGUS ISLE, BERMUDA	DETAIL	17 x 22
VR-G1-JK-087-00026	SITE 087-GOOSE BAY, LABRADOR	REGIONAL	17 x 22
VR-G1-3L-093-00068	SITE 093-PT. BARROW, ALASKA	REGIONAL	17 x 22
VR-G1-3L-093-00069	SITE 093-PT. BARROW, ALASKA	REGIONAL	17 x 22
VR-G1-GH-099-00062	SITE 099-FLORIDA STRAITS	REGIONAL	17 x 22
VR-G1-GH-099-00071	SITE 099-FLORIDA STRAITS	REGIONAL	17 x 22
VR-G1-GH-099-00074	SITE 099-FLORIDA STRAITS	REGIONAL	17 x 22
VR-G1-GH-128-00045	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00054	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00060	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00061	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00064	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00065	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00075	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00103	SITE 128-MISSISSIPPI DELTA, LA.	REGIONAL	17 x 22
VR-G1-GH-128-00157	SITE 128-MISSISSIPPI DELTA, LOUISIANA	REGIONAL	17 x 22
VR-G1-HJ-138-00046	SITE 138-GULF STREAM NORTHERN	REGIONAL	17 x 22
VR-G1-GJ-148-00182	SITE 148-LEHIGH RIVER, PENNSYLVANIA	REGIONAL	17 x 22

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SITE MAPS - OCEANOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-G1-GH-155-00072	SITE 155-GULF COAST FISHERIES	REGIONAL	17 X 22
VR-G1-GH-155-00155	SITE 155-GULF COAST FISHERIES	REGIONAL	17 X 22
VR-G1-GH-155-00199	SITE 155-GULF COAST FISHERIES	REGIONAL	17 X 22
VR-G1-FH-158-00108	SITE 158-CORPUS CHRISTI, TEXAS/ GULF OF MEXICO	REGIONAL	17 X 22
VR-G1-JK-160-00115	SITE 160-NEWFOUNDLAND COAST(ARGENTIA)	REGIONAL	17 X 22
VR-G1-JK-160-00116	SITE 160-NEWFOUNDLAND COAST(ARGENTIA)	REGIONAL	17 X 22
VR-G1-GH-162-00154	SITE 162-BAHAMA BANKS, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-162-00177	SITE 162-BAHAMA BANKS, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-163-00153	SITE 163-BISCAYNE BAY, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-163-00210	SITE 163-BISCAYNE BAY, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-163-00268	SITE 163-BISCAYNE BAY, FLORIDA SITE 169-FLORIDA KEYS, FLORIDA	REGIONAL	17 X 22
VR-G1-L-166-00158	SITE 166-ICELAND	REGIONAL	17 X 22
VR-G1-L-166-00159	SITE 166-ICELAND	REGIONAL	17 X 22
VR-G1-L-166-00161	SITE 166-ICELAND	REGIONAL	17 X 22
VR-G1-L-166-00162	SITE 166-ICELAND	REGIONAL	17 X 22
VR-G1-L-166-00241	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-L-166-00242	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-L-166-00243	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-L-166-00244	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-L-166-00245	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-L-166-00246	SITE 166-NORTH ATLANTIC	REGIONAL	17 X 22
VR-G1-GJ-167-00166	SITE 167-LAKE MICHIGAN	REGIONAL	17 X 22

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SITE MAPS - OCEANOGRAPHY

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-G1-GJ-167-00167	SITE 167-LAKE MICHIGAN	REGIONAL	17 X 22
VR-G1-GH-169-00266	SITE 169-FLORIDA KEYS, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-169-00268	SITE 163-BISCAYNE BAY, FLORIDA SITE 169-FLORIDA KEYS, FLORIDA	REGIONAL	17 X 22
VR-G1-GH-172-00193	SITE 173-GULF LOOP SITE 172-YUCATAN PENINSULA	REGIONAL	17 X 22
VR-G1-GH-173-00193	SITE 173-GULF LOOP SITE 172-YUCATAN PENINSULA	REGIONAL	17 X 22
VR-G1-GH-704-00263	SITE 705-VERACRUZ, MEXICO	REGIONAL	17 X 22

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**SECTION 02 SITE DESCRIPTIONS**

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SITE DESCRIPTIONS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
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VR-G2-4J-086-00038	SITE 086-ARGUS ISLE, BERMUDA
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VR-G2-JK-087-00039	SITE 087-GOOSE BAY, LABRADOR
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VR-G2-EJ-096-00045	SITE 096-DIXIE/FISH LAKE NATIONAL FOREST, UTAH
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VR-G2-SH-099-00047	SITE 099-FLORIDA STRAITS
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**SECTION 04 MISSION SCREENING AND**  
**SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G4-HJ-086-B0020	MISSION NO. 20 SITE 086
VR-G4-GH-128-B0026	MISSION NO. 26 SITE 128
VR-G4-GH-128-B0037	MISSION NO. 37 SITE 128
VR-G4-HJ-086-B0038	MISSION NO. 38 SITE 086
VR-G4-GH-128-B0041	MISSION NO. 41 SITE 128
VR-G4-CL-998-B0047	MISSION NO. 47 SITES 143, 093
VR-G4-GH-998-B0049	MISSION NO. 49 SITES 099, 155
VR-G4-GH-998-B0058	MISSION NO. 58 SITES 128, CAPE KENNEDY, TITUSVILLE, FLORIDA
VR-G4-JK-160-B0060	MISSION NO. 60 SITE 160
VR-G4-CL-166-B0088	MISSION NO. 88 SITE 166
VR-G4-DJ-007-B0099	MISSION NO. 99 SITE 007
VR-G4-GH-998-A0114	MISSION 114, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 155, 163, AND 169
VR-G4-HJ-086-A0119	MISSION 119, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITE 086
VR-G4-GH-128-A0135	MISSION 135, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITE 128

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**SECTION 05 TECHNICAL LETTER REPORTS**

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TECHNICAL LETTER REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G5-J0-C00-00167*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-167, AIRBORNE FLUOROMETER APPLICABLE TO MARINE AND ESTUARINE STUDIES. GEORGE E. STOERTZ AND WILLIAM R. HEMPHILL, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C., DAVID A. MARKLE, PERKIN-ELMER CORP., NORWALK, CONNECTICUT. JAN. 1970. CONTRACT NO. T-80485C. REPRINTED FROM MARINE TECHNOLOGY SOCIETY JOURNAL, NOV.-DEC. 1969, VOL. 3, NO. 6, PF.11-26.
NR-G5-J-085-00173*	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-173. THE COMPLEMENTARY ROLES OF AERIAL PHOTOGRAPHY AND RADAR IMAGING RELATED TO WEATHER CONDITIONS. DAVID S. SIMONETT, JOE R. EAGLEMAN, ET AL., UNIVERSITY OF KANSAS, DEPT. OF GEOGRAPHY, LAWRENCE, KANSAS. JUNE 1969. CONTRACT NUMBER W-12570.

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**SECTION 07 SUMMARY REPORTS**

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SUMMARY REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G7-00-000-00004	OCEANOGRAPHY FROM SPACE, PROCEEDINGS OF CONFERENCE ON THE FEASIBILITY OF CONDUCTING OCEANOGRAPHIC EXPLORATIONS FROM AIRCRAFT, MANNED ORBITAL AND LUNAR LABORATORIES. AUGUST 24 - 28, 1964. WOODS HOLE, OCEANOGRAPHIC INSTITUTION, WOODS HOLE, MASSACHUSETTS. APRIL 1965, CONTRACT NO. NSR-22-014-003. STAR N65-30350.
VR-G7-00-000-00006	THE FEASIBILITY OF SEA SURFACE TEMPERATURE DETERMINATION USING SATELLITE INFRARED DATA. NASA CR-474. JAMES R. GREAVES RAYMOND WEXLER AND CLINTON J. BOWLEY, ALLIED RESEARCH ASSOCIATES, INC., CONCCRU, MASS., MAY 1966, CONTRACT NO. NASW-1157 STAR N66-24393.
VR-G7-00-000-00036	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. OCEANOGRAPHY-NO. 5. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909. STAR V69-28072.
VR-G7-0J-998-00047	EARTH RESOURCES AIRCRAFT PROGRAM STATUS REVIEW, VOL. 3, HYDROLOGY, OCEANOGRAPHY, AND SENSOR STUDIES. EARTH RESOURCES DIVISION, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. 1969.
VR-G7-00-000-00050	SATELLITES CAPABLE OF OCEANOGRAPHIC DATA ACQUISITION - A REVIEW. REPORT NO. TR-215. PAUL E. LAVIOLETTE AND SANDRA E. SEIM, U.S. NAVY DEPT., OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. MAY 1969.
VR-G7-0J-998-00059	ANNEX A. A REVIEW OF ACHIEVEMENTS IN REMOTE SENSING FOR OCEANOGRAPHY. ANNUAL REPORT, OCT. 1965 - SEPT. 1966. U.S. NAVY DEPT., NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. STAR X68-81950.

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**SECTION 08 SUBJECT RELATED DOCUMENTS**

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SUBJECT RELATED DOCUMENTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G8-DO-000-00018	DATA (OCEANOGRAPHY ISSUE) VOL. 9, NO. 5, MAY 1964
VR-G8-DO-000-00066*	REFRACTIVE INDEX OF WATER IN THE INFRARED. MARVIN R. QUERRY AND BASIL CURNUTTE, KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS, PUBLISHED IN THE JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, VOL. 59, NO. 10, OCT. 1969, PP. 1299-1305.
VR-G8-DO-000-00146	BIBLIOGRAPHY ON THE USE OF SATELLITES FOR OCEANOGRAPHIC OBSERVATIONS. WILLIAM K. WIDGER, JR. AND JAMES R. GREAVES, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. APRIL 1968, CONTRACT NUMBER NASW-1651.
VR-G8-DO-000-00157	ILLUSORY LAND IN THE ARCTIC. V.S. ANTONOV, ARCTIC RESEARCH OBSERVATORY, DICKSON ISLAND, CANADA. TRANSLATED FROM PRIRODA, 1967, NO. 12, P.68. STAR NO. N68-27702.
VR-G8-JK-998-00202	REPORT OF THE ARCTIC ICE OBSERVING AND FORECASTING PROGRAM-1965, REPORT NO. SP-70(65). U.S. NAVY DEPT., OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. MAY 1967, STAR N68-86204.
VR-G8-JK-998-00204	SPACECRAFT OCEANOGRAPHY 1964-1967. INFORMAL REPORT, CHARLES C. BATES AND JOHN W. SHERMAN, U.S. NAVY DEPARTMENT, NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. MAY 1968, STAR X68-20409
VR-G8-JK-998-00231*	REPORT OF THE ARCTIC ICE OBSERVING AND FORECASTING PROGRAM 1964, SP-70(64). U.S. NAVY DEPT., NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. DECEMBER 1965, MICROFICHE COPY, STAR N66-31276.
VR-G8-DO-000-00277*	METEOROLOGICAL INTERPRETATION OF NIMBUS HIGH RESOLUTION INFRARED (HRIR) DATA. NASA CR-352, W.K. WIDGER, JR., J.C. BARNES, ET AL., ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. AUGUST 1965, CONTRACT NO. NAS 5-9554, STAR N66-17661.
VR-G8-DO-000-00284*	SATELLITE STUDIES OF CLOUDS AND CLOUD BANDS NEAR THE LOW-LEVEL JET. WILLIAM D. BUNNER AND FRANK WINNINGHOFF, UNIV. OF CALIFORNIA, LOS ANGELES, CALIFORNIA. PUBLISHED IN MONTHLY WEATHER REVIEW, VOL. 97, NO. 7, JULY 1969, PP. 490-500, MICROFICHE COPY.
VR-G8-DO-000-00285*	INTERACTION BETWEEN SUBTROPICAL AND POLAR-FRONT JET STREAM. E.R. REITE, ET AL., COLORADO STATE UNIVERSITY, DEPT. OF ATMOSPHERIC SCIENCE, FT. COLLINS, COLORADO. PUBLISHED IN MONTHLY WEATHER REVIEW, VOL. 97, JUNE 1969, PP. 432-438, MICROFICHE COPY.

SUBJECT RELATED DOCUMENTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G8-00-000-00287*	SPACE OCEANOGRAPHY - APPLICATIONS AND BENEFITS. E.E. LUDWICK, JR., GENERAL ELECTRIC CO., MISSISSIPPI TEST SUPPORT DEPT., BAY ST. LOUIS, MISS. PUBLISHED IN SPACE, TECHNOLOGY, AND SOCIETY - CANAVERAL COUNCIL OF TECHNICAL SOCIETIES, SPACE CONGRESS, 6TH, COCOA BEACH, FLA., MARCH 1969. VOL. 1, PP. 9-5-9-35. MICROF. RE COPY.
VR-G8-00-000-00304*	COLLECTED REPRINTS-ESSA-INSTITUTE FOR OCEANOGRAPHY 1966. ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, ATLANTIC OCEANOGRAPHIC LABORATORIES, MIAMI, FLA., AND PACIFIC OCEANOGRAPHIC LABORATORIES, SEATTLE, WASHINGTON, 1969.
VR-G8-00-000-00305*	COLLECTED REPRINTS-ESSA-INSTITUTE FOR OCEANOGRAPHY 1967. ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, ATLANTIC OCEANOGRAPHIC LABORATORIES, MIAMI, FLA., AND PACIFIC OCEANOGRAPHIC LABORATORIES, SEATTLE, WASHINGTON, 1969.
VR-G8-00-000-00306*	COLLECTED REPRINTS-ESSA-INSTITUTE FOR OCEANOGRAPHY 1968. ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION, ATLANTIC OCEANOGRAPHIC LABORATORIES, MIAMI, FLA., AND PACIFIC OCEANOGRAPHIC LABORATORIES, SEATTLE, WASHINGTON, 1969.
VR-G8-00-000-00312*	BIOLOGICAL OCEANOGRAPHY. NASA SP-211, GIFFORD C. EWING, WOOD HOLE OCEANOGRAPHIC INSTITUTION, WOODS HOLE, MASS. PUBLISHED IN FUTURE FIELDS OF CONTROL APPLICATION, A SYMPOSIUM HELD AT MASS. INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS., FEB. 10-11, 1969. PP. 121-133. STAR N69-39967.
VR-G8-00-000-00319*	FORMATION AND STRUCTURE OF EQUATORIAL ANTICYCLONES CAUSED BY LARGE-SCALE CROSS-EQUATORIAL FLOWS DETERMINED BY ATS-1 PHOTOGRAPHS. TETSUVA T, FUJITA, ET AL., UNIVERSITY OF CHICAGO, DEPT. OF GEOPHYSICAL SCIENCES, CHICAGO, ILL. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 8, AUGUST 1969. PP. 649-667.
VR-G8-00-000-00352*	SATELLITE EVIDENCE OF SEA-AIR INTERACTIONS DURING THE INDIAN MONSOON. K. RAGHAVAN, INSTITUTE OF TROPICAL METEOROLOGY, POONA, INDIA. PUBLISHED IN WEATHER REVIEW, VOL. 97, NO. 12, DEC. 1969. PP. 905-909.
VR-G8-00-000-00356*	FINAL ANALYSIS ON SOME POTENTIAL BENEFITS TO COMMERCIAL FISHING THROUGH INCREASED SEARCH EFFICIENCY. A CASE STUDY - THE TUNA INDUSTRY. VIRGIL J. NORTON, UNIVERSITY OF RHODE ISLAND, KINGSTON, RHODE ISLAND. JAN. 1969. STAR N69-40908.

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**SECTION 09 TECHNICAL REPORTS**

## TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G9-30-000-00016*	DETERMINING SURFACE TEMPERATURE AND CLOUD TEMPERATURE FROM METEOROLOGICAL EARTH SATELLITES. K. YA. KONDRAVYEV, ET AL., USSR, 1966. TRANSLATION OF GLOVNAYA GEOFIZICHESKAYA OBSERVATORIYA, LENINGRAD. TRUDY. V. 196, PP. 3-23, 1966. MICROFICHE COPY.
VR-G9-30-000-00018	THE DIRECTIONAL SPECTRUM OF A WIND GENERATED SEA AS DETERMINED FROM DATA OBTAINED BY THE STEREO WAVE OBSERVATION PROJECT. WILLARD J. PIERSON, JR., ET AL. NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, METEOROLOGICAL PAPERS, VOL. 2, NO. 6, JUNE 1960, CONTRACT NO. NONR-265(03).
VR-G9-30-000-00019	THE EFFECTS OF EDDY VISCOSITY, CORIOLIS DEFLECTION, AND TEMPERATURE FLUCTUATION ON THE SEA BREEZE AS A FUNCTION OF TIME AND HEIGHT. WILLARD J. PIERSON, JR., NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING. METEOROLOGICAL PAPERS, VOLUME 1, NUMBER 2, JANUARY 1950. CONTRACT NO. NONR-265(03).
VR-G9-30-000-00023	THEORETICAL AND OBSERVED RESULTS FOR THE ZERO AND ORDINATE CROSSING PROBLEMS OF STATIONARY GAUSSIAN NOISE WITH APPLICATION TO PRESSURE RECORDS OF OCEAN WAVES WILLARD J. PIERSON, JR., RAYMOND STEVENS, LEO J. TICK, SYLVAIN EHRENFELD, NATHANIEL R. GOODMAN, SEYMOUR KAPLAN, AND EMANUEL MEHR, NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY AND ENGINEERING STATISTICS GROUP, DECEMBER 1958. CONTRACT NO. NOBS 72018 (1734F).
VR-G9-30-000-00024	THE APPARENT LOSS OF COHERENCY IN VECTOR GAUSSIAN PROCESSES DUE TO COMPUTATIONAL PROCEDURES WITH APPLICATION TO SHIP MOTIONS AND RANDOM SEAS. WILLARD J. PIERSON, JR., AND JOHN F. DALZELL, NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY. SEPTEMBER 1960, CONTRACT NOS. NONR-285(17) AND NONR-263(09).
VR-G9-30-000-00025	MODELS OF RANDOM SEAS BASED ON THE LAGRANGIAN EQUATIONS OF MOTION. WILLARD J. PIERSON, JR., NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY, AUGUST 1966. CONTRACT NO. NONR-285(03).
VR-G9-30-000-00026	ON THE PHASES OF THE MOTIONS OF SHIPS IN CONFUSED SEAS. WILLARD J. PIERSON, JR., NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY, TECHNICAL REPORT NO. 9, NOVEMBER 1957. CONTRACT NO. NONR-285(17).

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ACCESSION NUMBER	DESCRIPTION
VR-G9-4J-000-00027	THE ACCURACY OF PRESENT WAVE FORECASTING METHODS WITH REFERENCE TO PROBLEMS IN BEACH EROSION ON THE NEW JERSEY AND LONG ISLAND COASTS. WILLARD J. PIERSON, JR., COLLEGE OF ENGINEERING, NEW YORK UNIVERSITY, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY, NOVEMBER 1950. CONTRACT NO. NONR-285(03).
VR-G9-30-000-00028	THE AVERAGE HORIZONTAL WIND DRIVEN MASS TRANSPORT OF THE ATLANTIC FOR FEBRUARY AS OBTAINED BY NUMERICAL METHODS. D. M. GARNER, G. NEUMANN, AND W. J. PIERSON, JR., NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY, DECEMBER 1962. CONTRACT NO. NONR-285(03).
VR-G9-30-030-00029	WAVE SPECTRA ESTIMATED FROM WAVE RECORDS OBTAINED BY THE OWS WEATHER EXPLORER AND OWS WEATHER REPORTER (I). L. MOSKOWITZ, W. J. PIERSON, AND E. MEHR, NEW YORK UNIVERSITY, COLLEGE OF ENGINEERING, RESEARCH DIVISION, DEPARTMENT OF METEOROLOGY AND OCEANOGRAPHY, NOVEMBER 1962. CONTRACT NO. N62306-1042. STAR N65-82026.
VR-G9-GH-128-00047	THE MISSISSIPPI RIVER AND THE GULF OF MEXICO. LCDR DON WALSH, USN, TEXAS A + M UNIVERSITY, DEPARTMENT OF OCEANOGRAPHY, COLLEGE STATION, TEXAS. JULY 8, 1967. PUBLISHED APRIL 1967. CONTRACT NUMBER NOVR 2119(04).
VR-G9-GH-000-00050	REFLECTIONS OF THE SEA SURFACE TEMPERATURE FIELD IN LOW LEVEL CLOUD DEVELOPMENT; AN OBSERVATIONAL AIR-SEA INTERACTION STUDY FROM SPACE. JAMES E. ARNOLD, TEXAS A + M UNIVERSITY, DEPARTMENT OF OCEANOGRAPHY PRELIMINARY REPORT, APRIL 1967. CONTRACT NO. NONR-2119(04).
VR-G9-3D-000-00057*	SOME EXPERIENCE WITH A RADIATION THERMOMETER OVER THE AGULHAS CURRENT. T.F.W. HARRIS AND C.G. STAVROPOULOS, NATIONAL INSTITUTE FOR WATER RESEARCH (CSIR), SOUTH AFRICA. PUBLISHED IN SOUTH AFRICAN JOURNAL OF SCIENCE, VOL. 63, NO. 4, APRIL 1967. PP.132-136.
VR-G9-3J-000-00058*	RADIOMETRIC AND SPECTROMETRIC ANALYSES OF BOTTOM SEDIMENTS ON BOARD SHIP. V.I. MEROZOV, YE. V. NEVESSKIY, ET AL., P.P. SHIRSHOV INSTITUTE OF OCEANOLOGY, USSR ACADEMY OF SCIENCES. PUBLISHED IN OCEANOLOGY OF THE ACADEMY OF SCIENCES OF THE USSR, VOL. 9, NO. 3, 1969. PP.426-430.
VR-G9-3J-000-00059*	SOME RESULTS OF THE USE OF THE DOPPLER EFFECT FOR REMOTE SENSING OF SEA WAVES. V.V. VIVODRADOV AND V.N. LAZARENKO, STATE OCEANOGRAPHIC INSTITUTE, LENINGRAD DIVISION, USSR. PUBLISHED IN OCEANOLOGY OF THE ACADEMY OF SCIENCES OF THE USSR, VOL. 9, NO. 3, 1969. PP.414-421.

TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G9-00-000-00069	PROCESSING OF SATELLITE INFRARED DATA FOR SEA SURFACE TEMPERATURE DETERMINATION. JAMES R. GREAVES AND JAMES H. WILLARD. ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. JANUARY 1967. CONTRACT NO. NASW-1157. STAR N68-14108.
VR-G9-00-000-00071	SPACECRAFT OCEANOGRAPHY PROJECT. U.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. PREPARED BY THE PHILCO CORPORATION, SPACE AND RE-ENTRY SYSTEMS DIVISION, PALO ALTO, CALIFORNIA. JULY 1967. CONTRACT NO. N62306-2141. FOUR REPORTS. SPOC-TN 1. OBSERVATIONS FROM SATELLITES' POTENTIAL IMPACT ON THE UNITED STATES FISHERY, BY J.A. CRUTCHFIELD. SPOC-TN 2, SOME CONSIDERATIONS AFFECTING SATELLITE DATA CONTRIBUTIONS TO FISHERIES, BY E.H. COUGHRAN AND R.H. SULLIVAN. SPOC-TN 3, SEA SURFACE EFFECTS AND CONSIDERATIONS RELATED TO REMOTE SENSING FROM ORBITING SATELLITES, BY A.C. DJXBURY. SPOC-TN 4, STATE OF THE ART: ALL-WEATHER SEA SURFACE SENSING BY R.H. VANHAAGEN.
VR-G9-00-000-00072	ON THE GROWTH OF THE SPECTRUM OF A WIND GENERATED SEA ACCORDING TO A MODIFIED MILES-PHILLIPS MECHANISM AND ITS APPLICATION TO WAVE FORECASTING. GEOPHYSICAL SCIENCES LABORATORY TR-67-5. TOKUJIRO INOUE. GEOPHYSICAL SCIENCES LABORATORY, SCHOOL OF ENGINEERING AND SCIENCE, NEW YORK UNIVERSITY. JULY 1967. CONTRACT NO. V62306-1589.
VR-G9-H-128-00074	GROUND TRUTH REQUIREMENTS FOR REMOTE SENSING OF OCEANOGRAPHIC FEATURES. JAMES E. ARNOLD, LUIS R.A. CAPURRO, JACK F. PARIS, AND DON WALSH. DEPARTMENT OF OCEANOGRAPHY, TEXAS A+M UNIVERSITY. NOVEMBER 22, 1967. CONTRACT NO. NONR 2119(04). STAR N68-19951.
VR-G9-EJ-998-00091*	SPACE PHOTOGRAPHS OF THE EARTH IN THE STUDY OF GEOTECTONICS. ERWIN Y. KEDAR, NASA/MANNED SPACE FLIGHT CENTER, HOUSTON, TEXAS. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO, OCTOBER 1969. PAPER AAS 69-579. MICROFICHE COPY.
VR-G9-00-000-00096*	POTENTIAL USE OF EARTH SATELLITES FOR SOLVING PROBLEMS IN OCEANOGRAPHY AND HYDROLOGY. E. PAUL MC CLAIN, ESRA/ENVIRONMENTAL SCIENCE GROUP, WASHINGTON, D.C. AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO. OCTOBER 1969. PAPER AAS 69-596. MICROFICHE COPY.

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- | ACCESSION NUMBER    | DESCRIPTION  |
|---------------------|--|
| VR-G9-30-000-00097* | SYNOPTIC OCEANOGRAPHY - REMOTE SENSING STUDIES OF THE OCEAN, JOHN W. SHERMAN, III, U.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. PUBLISHED IN AMERICAN ASTRONAUTICAL SOCIETY, JUNE 1969, DENVER, COLORADO.   |
| VR-G9-GJ-000-00098* | TETHERED BALLOON FOR STUDY OF COASTAL DYNAMICS, COASTAL STUDIES INSTITUTE, TR-66. CHOULE J. SOVU, LOUISIANA STATE UNIVERSITY, BATON ROUGE, LA. JUNE 1969. CONTRACT NUMBER N0NR-1575(03). REPRINTED FROM SYMPOSIUM ON EARTH OBSERVATIONS FROM BALLOONS, AMERICAN SOCIETY OF PHOTOGRAFOMETRY, WASHINGTON, D.C. FEB. 1969. MICROFICHE COPY, STAR N70-12791. |
| VR-G9-GJ-000-00099* | WHERE MOST GRAINS OF VERY COARSE SAND AND FINE GRAVEL ARE DEPOSITED. COASTAL STUDIES INSTITUTE, TR-68. RICHARD J. RUSSELL, LOUISIANA STATE UNIVERSITY, BATON ROUGE, LA. JULY 1968. CONTRACT NO. N0NR-1575(03). REPRINTED FROM SEDIMENTOLOGY, VOL. 11, 1968, PP. 31-38. MICROFICHE COPY. STAR N70-12791.  |
| VR-G9-30-000-00105* | INFRARED CHARACTERISTICS OF OCEAN WATER (1.5-15 MICROMETER) REPORT NO. NRL-6736. C. FRIEDMAN, NAVAL RESEARCH LAB., WASHINGTON, D.C. PUBLISHED IN APPLIED OPTICS, VOL. 8, NO. 10, OCT. 1969. PP. 2073-2078.   |
| VR-G9-4J-138-00176* | OCEAN CURRENT AND SEA SURFACE TEMPERATURE OBSERVATIONS FROM METEOROLOGICAL SATELLITES. NASA TN-D-5142. GUENTER WARNECKE, LARRY M. McMILLIN, AND LEWIS J. ALLISON, GODDARD SPACE FLIGHT CENTER, GREENBELT, MD. NOVEMBER 1969. STAR N70-16237.   |
| VR-G9-30-000-00114* | DIRECTIONAL RADIANCE (LUMINANCE) OF THE SEA SURFACE. REPORT NO. SIO-REF-69-20. JACQUELINE I. GORDON, SCRIPPS INSTITUTION OF OCEANOGRAPHY, SAN DIEGO, CALIFORNIA. OCTOBER 1969. CONTRACT NO. N00024-68-C-1100. STAR N70-19697.  |
| VR-G9-3L-093-00128  | PRELIMINARY MISSION ANALYSIS REPORT NASA/MSC MISSION NO. 47, SITE 93, PT. BARROW, ALASKA. TECHNICAL MEMORANDUM 118-4. JOHN W. ROUSE, JR., UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1967. CONTRACT NUMBER NAS 9-7175. STAR X69-16562  |
| VR-G9-30-000-00164* | A WAVE METHOD FOR DETERMINING DEPTHS OVER BOTTOM DISCONTINUITIES. TECHNICAL MEMORANDUM NO. 5. MARTIN A. MASON AND G.H. KEULEGAN, ARMY CORPS OF ENGINEERS, WASHINGTON, D.C. MAY 1944. MICROFICHE COPY.  |

TECHNICAL REPORTS - OCEANOGRAPHY

- | ACCESSION NUMBER    | DESCRIPTION   |
|---------------------|---|
| VR-G9-00-000-00166* | SOME BIOLOGICAL OBSERVATIONS ON THE WHITE WHALE FROM THE AIRCRAFT. V. I. BELKOVICH, USSR. TRANSLATED FROM ZOOLOGICHESKIY ZHURNAL, VOL. 39, NO. 9, MOSCOW, 1960, PP.1414-1422. MICROFICHE COPY, STAR N70-12151.  |
| VR-G9-00-000-00168* | AN OCEAN-ATMOSPHERE INTERACTION EXPERIMENT FOR THE ARCTIC. A.F. TRESHNIKOV, ET AL., USSR. TRANSLATED FROM PROBLEMY ARKTIKI I ANTARKTIKI (SSSR), NO. 28, 1968. MICROFICHE COPY.  |
| VR-G9-00-000-00179  | ON THE QUESTION OF LOW-LEVEL CLOUD RESPONSE TO THE TEMPERATURE FIELD OF THE SEA SURFACE. JAMES E. ARNOLD, TEXAS A&M UNIVERSITY, DEPARTMENT OF OCEANOGRAPHY, COLLEGE STATION, TEXAS. SEPTEMBER 1968. CONTRACT NUMBER NONR 2119(04).  |
| VR-G9-SJ-000-00189* | TIDAL INLETS AND WASHOVER FANS. J.W. PIERCE, DIVISION OF SEDIMENTOLOGY, SMITHSONIAN INSTITUTION, WASHINGTON, D.C. PUBLISHED IN JOURNAL OF GEOLOGY, VOL. 78, NO. 2, MARCH 1970, PP.230-234.  |
| VR-G9-SK-000-00192* | USE OF NIMBUS II APT TO DETERMINE THE RATE OF ICE DISINTEGRATION AND DISPERSION IN HUDSON BAY. NASA CR-106478, REPORT NO. 9G45-31. CLINTON J. BOWLEY, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. MARCH 1969. CONTRACT NUMBER NAS5-10343. STAR N69-41162   |
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VR-99-4J-998-00578*	THE APPLICATION OF RADAR SCATTEROMETRY TO OCEAN PHYSICS. WILLIAM L. FLOYD, RYAN AERONAUTICAL CO., HOUSTON, TEXAS. PRESENTED AT THE AMERICAN ASTRONAUTICAL SOCIETY, ANNUAL MEETING, 14TH, DEDHAM, MASS., MAY 13-15, 1968. MICROFICHE COPY.
VR-99-00-000-00589*	OBSERVATION OF SEA SURFACE TEMPERATURE PATTERNS AND THEIR SYNOPTIC CHANGES THROUGH OPTIMAL PROCESSING OF NIMBUS II DATA. REPORT NO. 9G51-5. FINAL REPORT, JAMES R. GREAVES, JAMES H. WILLARD, AND DAVID T. CHANG, ALLIED RESEARCH ASSOC., CONCORD, MASS. SEPTEMBER 1968. CONTRACT NO. NASW-1651. STAR N68-35931.
VR-99-JH-998-00598*	DATA COLLECTION BY THE USE OF THE NASA NP3A AIRCRAFT DURING BOMEX AND PRELIMINARY RESULTS OF ANALYSIS. VICTOR S. WHITE- HEAD, THOMAS L. BARNETT, AND IVAN J. BROWNE, NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. PRESENTED AT THE SYMPO- SIUM ON THE EARLY RESULTS FROM BOMEX, SEATTLE, WASHINGTON, NOVEMBER 20-21, 1969.
VR-99-FH-998-00613*	FOTOINTERPRETAZIONE DELLE STRUTTURE OCEANOGRAFICHE QUALI APPAIONO NELLE FOTOGRAFIE RIPRESE DURANTE I VOLI GEMINI. ROBERT E. STEVENSON, BUREAU OF COMMERCIAL FISHERIES, GALVESTON, TEXAS. 1969. ESTRATTI ENCICLOPEDIA DELLA SCIENZA E DELLA TECNICA MONDADORI, S AND T/69 ANNUARIO DELLA EST. PP.185-188.

## TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G9-GJ-000-00621*	AIRCRAFT RECONNAISSANCE OF WINTER COASTAL CYCLONES IN THE NORTHEASTERN UNITED STATES. JEROME SPAR, NEW YORK UNIV., AND HOWARD A. FRIEDMAN, RESEARCH FLIGHT FACILITY, ESSA, MIAMI, FLORIDA. PUBLISHED IN BULLETIN AMERICAN METEOROLOGICAL SOCIETY: VOL. 50, NO. 11, NOV. 1969, PP. 857-865.
VR-G9-GH-152-00622*	APPLICATIONS OF UNDERWATER PHOTOGRAHMTRY. INFORMAL REPORT NO. 68-52. JOSEPH POLLIO, U.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. JUNE 1968.
VR-G9-JO-000-00627	OPTICAL RADAR MEASUREMENTS OF THE ATMOSPHERE. NASA CR-729. J.D. LAWRENCE, JR., F.R. CROWNFIELD, JR., ET AL., COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG, VIRGINIA. APRIL 1967. CONTRACT NO. NSG 710. STAR N67-21982.
VR-G9-JO-000-00633*	SATELLITE APPLICATIONS TO MARINE GEODESY. NASA CR-1253. A.G. MOURAD, N.A. FRAZIER, ET AL., BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO. JAN. 1969. CONTRACT NO. NASR-100(11) STAR N69-16645.
VR-G9-JO-000-00637*	PERFORMANCE ANALYSIS OF A SALINITY/TEMPERATURE/DEPTH SYSTEM. ROY D. GAUL, TEXAS A AND M UNIVERSITY, DEPT. OF OCEANOGRAPHY, COLLEGE STATION, TEXAS. REPRINTED FROM IEEE TRANSACTIONS ON GEOSCIENCE ELECTRONICS, VOL. GE-6, NO. 4, NOV. 1968, PP. 185-187.
VR-G9-JO-000-00653*	MEASUREMENT OF OCEAN CURRENTS BY PHOTOGRAHMETRIC METHODS. TECHNICAL MEMORANDUM C-GSTM-5. EVERETT H. RAMEY, ESSA COAST AND GEODETIC SURVEY, ROCKVILLE, MD. MAY 1968.
VR-G9-JO-000-00660*	ON THE MEASUREMENT OF LOW LEVEL HURRICANE WINDS BY AIRBORNE DUAL BEAM RADAR. REPORT NO. AFCLR-69-C169. KENNETH M. GLOVER, AIR FORCE CAMBRIDGE RESEARCH LAB., BEDFORD, MASS. APRIL 1969. MICROFICHE COPY. STAR N69-34297.
VR-G9-JO-000-00672*	SPECTRA OF INTERNAL WAVES AND TURBULENCE IN STRATIFIED FLUIDS. PART I. GENERAL DISCUSSION AND INDICATIONS FROM MEASUREMENTS IN STABLY STRATIFIED ATMOSPHERE AND OCEAN. YIH-HO PAO, BOEING SCIENTIFIC RESEARCH LAB., SEATTLE, WASH. JUNE 1969. STAR N69-35845.
VR-G9-JO-000-00674*	ANALYSIS OF MEASUREMENTS OF MICROWAVE EMISSION FROM THE EARTH'S SURFACE AND ATMOSPHERE. REPORT NO. DAC 60693. H.A. HYATT, DOUGLAS AIRCRAFT CO., INC., MISSILE AND SPACE SYSTEMS DIV., HUNTINGTON BEACH, CALIFORNIA. JUNE 1967. CONTRACT NUMBER E-43-67(N). STAR N68-16140.

## TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G9-30-000-00692*	DECODING AND SYNOPTIC INTERPRETATION OF INFRARED (IR) CLOUD COVER PHOTOGRAPHS. E.P. DOMBKOVSKAYA, JSSR, ISSUED BY MAIN ADMINISTRATION OF THE HYDROMETEOROLOGICAL SERVICE, COUNCIL OF MINISTERS, USSR. PUBLISHED IN GIDROMETEOROLOGICHESKII NAUCHNO-ISSLEDOVATELSKIY SSSR, TRUDY, NO. 11, 1967. MICROFICHE COPY. STAR N69-34373.
VR-G9-3H-145-00694*	AIRBORNE MEASUREMENTS ON INFRARED SEA TEMPERATURE IN THE NORTHERN GULF OF MEXICO. K.L. DRENNAN, GULF COAST RESEARCH LAB., OCEANOGRAPHY SECTION, OCEAN SPRINGS, MISS. DEC. 1966. MICROFICHE COPY. STAR N67-29516.
VR-G9-30-000-00700*	THE VALUE OF WEATHER FORECASTS. J.C. THOMPSON, SAN JOSE STATE COLLEGE, DEPT. OF METEOROLOGY, SAN JOSE, CALIFORNIA. PUBLISHED IN SCIENCE JOURNAL, VOL. 5A, NO. 6, DEC. 1969. PP. 62-66.
VR-G9-3H-162-00709*	AERIAL PHOTOGRAPHIC STUDIES OF SHALLOW WATER BENTHIC ECOLOGY. MAHLON G. KELLY, NEW YORK UNIVERSITY, BRONX, N.Y., ALFRED CONROD, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS. PUBLISHED IN REMOTE SENSING IN ECOLOGY, 1969, PP. 173-184.
VR-G9-EJ-181-00716*	A METHOD OF ELIMINATING CLOUD INTERFERENCE IN SATELLITE STUDIES OF SEA SURFACE TEMPERATURES. PAUL E. LAVIOLETTE, AND PAUL L. CHABOT, U.S. NAVAL OCEANOGRAPHIC OFFICE, WASH. D.C. PUBLISHED IN DEEP-SEA RESEARCH, VOL. 16, NO. 5, NCV, 1969. PP. 539-547.
VR-G9-30-000-00732*	A MODEL ATMOSPHERE FOR EARTH RESOURCES APPLICATIONS. NASA-TM X-58033. DAVID F. PITTS AND KIRBY D. KYLE, NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. NOVEMBER 1969. STAR N70-15687.
VR-G9-30-000-00739*	GENERATION AND AIRBORNE DETECTION OF INTERNAL WAVES FROM AN OBJECT MOVING THROUGH A STRATIFIED OCEAN. VOL. II. WALTER H. MUNK, CURTIS G. CALLAN, ET AL., INSTITUTE FOR DEFENSE ANALYSES, JASON DIV., ARLINGTON, VA. APRIL 1969. CONTRACT NUMBER DAHC15-67-C-0011. MICROFICHE COPY. STAR N70-13409.
VR-G9-3H-998-03741*	INVESTIGATION OF VISIBLE REGION INSTRUMENTATION FOR OCEANOGRAPHIC SATELLITES. VOL. II. A.C. CONROD, M.G. KELLY, ET AL., MASSACHUSETTS INSTITUTE OF TECHNOLOGY, EXPERIMENTAL ASTRONOMY LAB., CAMBRIDGE, MASS., MARCH 1968. CONTRACT NO. N62306-2082. MICROFICHE COPY.

TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
VR-G9-30-000-00747*	INTERPRETATION OF DIFFERENT TYPES OF TUNDRA FROM AERIAL PHOTOGRAPHS AND THEIR AEROVISUAL DESCRIPTION ON THE BASIS OF FROST JOINTING. REPORT NO. FSTC-HT-23-316-68, V. ANDREEV, TRANS: ED FROM GEOGRAFICHESKIY SBORNIK, (SSSR) VOL. 7, 1955 PP.1-13. MICROFICHE COPY. STAR N70-11609.
VR-G9-30-000-00753*	OCEANOGRAPHIC INSTRUMENTATION. FINAL REPORT OF THE COMMITTEE ON INSTRUMENTATION, SECOND EDITION. REPORT NO. SP-41. U.S. NAVY HYDROGRAPHY OFFICE, WASHINGTON, D.C. OCTOBER 1960. MICROFICHE COPY.
VR-G9-30-000-00758*	HIGH FREQUENCY RADAR SEA RETURN AND THE PHILLIPS SATURATION CONSTANT. W.H. MUNK, ET AL., SCRIPPS INSTITUTION OF OCEANOGRAPHY, UNIVERSITY OF CALIFORNIA, LA JOLLA, CALIFORNIA. PUBLISHED IN NATURE, VOL. 224, NO. 5226, DEC. 1969. P.1285.
VR-G9-30-000-00759*	OBSERVATIONS OF AN ANTARCTIC OCEAN TABULAR ICEBERG FROM THE NIMBUS II SATELLITE. JOHN SISSALA, ALLIED RESEARCH ASSOC., HYATTSVILLE, MARYLAND. PUBLISHED IN NATURE, VOL. 224, NO. 5226, DEC. 1969. PP.1285-1287.
VR-G9-30-000-00763*	ORL EXPERIMENT PROGRAM. VOL. B, PART 3 - OCEANOGRAPHY/MARINE TECHNOLOGY. IBM CORP., FEDERAL SYSTEMS DIV., ROCKVILLE, MD. FEB. 1966. CONTRACT NUMBER NASW-1215. STAR N66-17049.
VR-G9-JF-000-00777*	A THREE-DIMENSIONAL BATHYOROGRAPHIC MAP OF CANTON ISLAND. A STUDY IN THE PROBLEMS OF CONSTRUCTING AND SYMBOLIZING MAPS OF MARINE ENVIRONMENTS. GEORGE F. JENKS, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS, AND PAUL V. CRAWFORD, BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN, OHIO. PUBLISHED IN GEOGRAPHICAL REVIEW, VOL. 60, NO. 1, JAN. 1972, PP.69-87.
VR-G9-30-000-00781*	HURRICANES AND THE SEA SURFACE TEMPERATURE FIELD. EDWIN L. FISHER, NEW YORK UNIVERSITY. PUBLISHED IN JOURNAL OF METEOROLOGY, VOL. 15, NO. 3, JUNE 1958, PP.328-333.
VR-G9-4J-138-00782*	GULF STREAM THERMAL GRADIENTS FROM SATELLITE, SHIP, AND AIRCRAFT OBSERVATIONS. WILLIAM R. CURTIS AND P. KRISHNA RAO. NATIONAL ENVIRONMENTAL SATELLITE CENTER, ESSA, WASHINGTON, D.C. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 74, NO. 28, DECEMBER 1969. PP.6984-6990.
VR-G9-30-000-00783*	STUDY OF THE APPLICATION OF LASER TECHNOLOGY TO ATMOSPHERIC CONTAMINATION MEASUREMENT. FINAL TECHNICAL REPORT, MAY 1968 APRIL 1969. NASA-CR-66221. JOHN J. HIDALGO, TULANE UNIV., NEW ORLEANS, LOUISIANA, APRIL 1969. CONTRACT NUMBER NAS12-664. STAR N69-36282.

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ACCESSION NUMBER	DESCRIPTION
VR-C9-3H-057-00787*	ABYSSALLY GENERATED T PHASE. HAWAII INSTITUTE OF GEOPHYSICS CONTRIBUTION 179. ROCKNE H. JOHNSON, ET AL., UNIVERSITY OF HAWAII, HONOLULU, HAWAII. 1968. CONTRACT NO. NONR-3748(01) STAR N69-38887.
VR-G9-30-000-00791*	ATMOSPHERIC TURBICITY OVER THE UNITED STATES, 1961-1966. E.C. FLOWERS, ET AL., CONSUMER PROTECTION AND ENVIRONMENTAL HEALTH SERVICE DIV., RALEIGH, N.C. PUBLISHED IN APPLIED METEOROLOGY, VOL. 8, NC, 3, DEC. 1969. PP. 955-962.
VR-G9-30-000-00796*	A STUDY ON SOME EQUIPMENT AND ENVIRONMENTAL PARAMETERS AFFECTING AIRBORNE REMOTE PROBING OF TEMPERATURE AND PRESSURE PROFILES. REPORT NOS. AFCRL-69-0188 AND SRRC-CR-69-9, WAYNE D. MOUNT, RICHARD B. FOW, ET AL., SPERRY RAND RESEARCH CENTER, SUDBURY, MASS. MARCH 1969. CONTRACT NUMBER F19628-68-C-0295. MICROFICHE COPY. STAR N69-37972.
VR-G9-30-000-00797*	PHYSICS OF THE ATMOSPHERE AND OCEAN. TRANSLATION FROM IZVESTIA AKADEMIA NAUK, SSSR, FIZIKA ATMOSFERY I OKEANA (MOSCOW) APRIL 1969, PF. 341-432. MICROFICHE COPY. STAR N69-39076 THRU N69-39086.
VR-G9-3J-167-00822*	SPECTRAL ANALYSIS OF SHALLOW WATER WAVES IN LAKE MICHIGAN. REPORT NO. MP 69-2. PAUL C. LIU, J.S. LAKE SURVEY, ARMY CORPS OF ENGINEERS, DETROIT, MICHIGAN. PRESENTED BEFORE 11TH CONFERENCE GREAT LAKES RESEARCH, MILWAUKEE, WISCONSIN. MARCH 1968. PP. 412-423.
VR-G9-30-000-00850*	PHOTOGRAPHIC INVESTIGATION OF SEDIMENT TEXTURE, BOTTOM CURRENT ACTIVITY, AND BENTHONIC ORGANISMS IN THE WILMINGTON SUBMARINE CANYON. U.S.C.G.C. ROCKAWAY-SMITHSONIAN INSTITUTION CRUISE (ROS2) OCEANOGRAPHIC REPORT NO. 22. DANIEL J. STANLEY, SMITHSONIAN INSTITUTION, WASHINGTON, D.C. AND GILBERT KELLING, UNIVERSITY OF WALES, SWANSEA, GREAT BRITAIN. U.S. COAST GUARD OCEANOGRAPHIC UNIT, WASHINGTON, D.C. FEB. 1968.
VR-G9-30-000-00855*	RADAR ALTIMETRY FROM A SPACECRAFT AND ITS POTENTIAL APPLICATIONS TO GEODESY AND OCEANOGRAPHY. REPORT NO. TR-67-3. J. ARTHUR GREENWOOD, ALAN NATHAN, ET AL., NEW YORK UNIV., DEPT. OF METEOROLOGY AND OCEANOGRAPHY, NEW YORK, N.Y. MAY 1967. STAR X67-22164.
VR-G9-JH-000-00857*	SCATTERING OF LIGHT BY SARGASSO SEA WATER. GUNNER KULLENBERG, UNIVERSITY OF COPENHAGEN, INSTITUTE OF PHYSICAL OCEANOGRAPHY, COPENHAGEN, DENMARK. PUBLISHED IN DEEP-SEA RESEARCH, VOL. 15, AUG. 1968. PP. 423-432.

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- | ACCESSION NUMBER    | DESCRIPTION   |
|---------------------|---|
| VR-G9-30-000-00859* | NIMBUS II SATELLITE SEA SURFACE TEMPERATURES VERSUS HISTORICAL DATA IN A SELECTED REGION, A COMPARATIVE STUDY, PAUL E. LAVIOLETTE AND PAUL L. CHABOT, J.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. PUBLISHED IN DEEP-SEA RESEARCH, VOL. 15, OCT. 1969, PP.617-622.   |
| VR-G9-30-000-00860* | INVESTIGATING THE FEASIBILITY OF CENSUSING DEER BY REMOTE SENSING OF THERMAL INFRARED RADIATION, RICHARD M. BARTHOLOMEW, INDIANA DEPT. OF NATURAL RESOURCES, AND ROGER M. HOFFER, LABORATORY FOR REMOTE SENSING, PURDUE UNIVERSITY, LAFAYETTE, INDIANA. PRESENTED AT THE MIDWEST WILDLIFE CONFERENCE, CHICAGO, ILL., DEC. 1966. |
| VR-G9-30-000-00861* | MULTIPLE SCATTER EFFECTS IN REMOTE SENSING OF ENVIRONMENTAL POLLUTION. DAVID L. FEINSTEIN AND KENNETH R. PIECH, CORNELL AERONAUTICAL LAB., INC., BUFFALO, N.Y. 1969.  |
| VR-G9-30-000-00863* | REMOTE SENSING FOR PLANNING RESOURCE CONSERVATION. C.J. JOHANSEN AND M.F. BAUMGARDNER, PURDUE UNIVERSITY, LAB. FOR AGRICULTURAL REMOTE SENSING, LAFAYETTE, INDIANA. 1968, AGRICULTURAL EXPERIMENT STATION JOURNAL, NO. 3439.  |
| VR-G9-30-000-00866* | TEST PHOTOGRAPHY WITH MS EKTACHROME FOR WATER PENETRATION AND DEPICTION OF THE OFFSHORE SEA FLOOR. WILFRED G. TUDDENHAM, UNIVERSITY OF SYDNEY, AUSTRALIA. 1968.   |
| VR-G9-30-000-00873* | METEOROLOGICAL APPLICATIONS OF REFLECTED RADIANC MEASUREMENTS FROM ATS 1 AND ATS 3. THOMAS H. VONDER HAAR, UNIV. OF WISCONSIN, MADISON, WISCONSIN. PUBLISHED IN GEOPHYSICAL RESEARCH, VOL. 4, NO. 23, OCT. 1969. PP.5404-54412.   |
| VR-G9-30-000-00899* | BIBLIOGRAPHY ON THE BAHAMA ISLANDS. REPORT NO. RN-37. ANNE BOERSMA, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS. AUGUST 1968.  |
| VR-G9-30-000-00933* | HISTORY OF SHORE GROWTH FROM ANALYSIS OF AERIAL PHOTOGRAPHS, FRANCIS H. MOFFITT, UNIVERSITY OF CALIFORNIA, HYDRAULIC ENGINEERING LAB., BERKELEY, CALIFORNIA. DECEMBER 1968. MICROFICHE COPY.  |
| VR-G9-GH-998-00976* | INVESTIGATION OF VISIBLE REGION INSTRUMENTATION FOR OCEANOGRAPHIC SATELLITES. VOL. I. A.C. CONROD, MASS. INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS. JULY 1967. CONTRACT NO. N62306-2082. MICROFICHE COPY.  |

**MULTISUBJECT**

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**SECTION 01 SITE MAPS**

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SITE MAPS - MULTISUBJECT

ACCESSION NUMBER	LOCATION	TYPE	SIZE
VR-H1-EH-175-00216 SITE 175-HOUSTON, TEXAS, AREA		REGIONAL	17 X 22
VR-H1-30-998-00048 QUADRANT A		MAP, U.S.A., SITE INDEX	17 X 22
VR-H1-30-998-00049 QUADRANT B		MAP, U.S.A., SITE INDEX	17 X 22
VR-H1-30-998-00050 QUADRANT C		MAP, U.S.A., SITE INDEX	17 X 22
VR-H1-30-998-00051 QUADRANT D		MAP, U.S.A., SITE INDEX	17 X 22
VR-H1-30-999-00001		MAP, U.S.A., SITE INDEX	17 X 20
VR-H1-30-999-00002		MAP, U.S.A., SITE INDEX	8 X 10
VR-H1-30-999-00047 U.S. SITE INDEX TO SPECIAL MISSIONS 1-26, IR IMAGERY AUGUST 1966, U.S. GEOLOGICAL SURVEY			
VR-H1-30-999-00237 U.S. SITE INDEX - AREAS IMAGED BY WESTINGHOUSE MAPPING RADAR (FLIGHTS 73 THROUGH 106)			8 X 10
VR-H1-30-999-00238 U.S. SITE INDEX - AREAS IMAGED BY WESTINGHOUSE MAPPING RADAR (FLIGHTS 122 THROUGH 130)			8 X 10

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**SECTION 04 MISSION SCREENING AND**

**SUMMARY REPORTS**

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MISSION SCREENING AND SUMMARY REPORTS - MULTISUBJECT

ACCESSION NUMBER	DESCRIPTION
VR-H4-EJ-998-B0013	MISSION NO. 13 SITES 003, 007, 019, 020, 050, 051, 040, 048, 049.
VR-H4-GH-998-B0036	MISSION NO. 36 SITES 095, 098, 102, 103, 104
VR-H4-EJ-114-B0039	MISSION NO. 39 SITE 114
VR-H4-EJ-998-B0056	MISSION NO. 56 SITES 003, 019, 130, 157
VR-H4-EJ-998-B0074	MISSION NO. 74 SITES 044, 076, 085, 168, 174
VR-H4-EJ-998-B0089	MISSION NO. 89, SITES 030, 175, 179,
VR-H4-EJ-998-A0102	MISSION 102, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 011, 030, 076, 085, 186, 197
VR-H4-EJ-998-A0104	MISSION 104, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 142, 171, 168, 174, 176, 188, AND 201
VR-H4-EJ-998-A0106	MISSION 106, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 085, 175, 178, 184, AND 996
VR-H4-EJ-998-A0111	MISSION 111, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 196, 203, 208,
VR-H4-EJ-998-A0118	MISSION 118, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 029, 175, 210
VR-H4-EJ-998-B0118	MISSION NO. 118 SITES 029, 175, 210

**MULTISUBJECT**

**SECTION 05 TECHNICAL LETTER REPORTS**

## TECHNICAL LETTER REPORTS - MULTISUBJECT

ACCESSION NUMBER	DESCRIPTION
VR-H5-30-000-00014	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-14, SUMMARY OF SIGNIFICANT RESULTS OF REMOTE SENSING STUDIES IN 1965. W.D. CARTER, U.S.G.S., WASHINGTON, D.C. MAY 1966. CONTRACT NO. R-09-020-013. STAR X66-18530.
VR-H5-30-000-00015	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-15, A MILLIMETER WAVELENGTH INTERFEROMETER SPECTROMETER. GEERT WYNTJES AND NEILS O. YOUNG, BLOCK ENGINEERING, INC., CAMBRIDGE, MASSACHUSETTS, MAY 9, 1966, CONTRACT NO. R-146.
VR-H5-30-000-00022	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-22, TIME, SHADOWS, TERRAIN AND PHOTOINTERPRETATION. R. J. HACKMAN, U.S.G.S., WASHINGTON, D.C. MAY 1966, CONTRACT NO. R-09-020-013. STAR X66-18939.
VR-H5-30-000-00031	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-31, ULTRAVIOLET INSTRUMENTATION FOR ORBITAL REMOTE SENSORS. H.T. BETZ, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS, JUNE 1966 CONTRACT NO. R-146-09-020-006. STAR X66-18311.
VR-H5-30-000-00035	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-35, GEOLOGIC INTERPRETATION OF NIMBUS PHOTOGRAPHY - EVALUATION OF HIGH RESOLUTION. M. A. CON-I. U.S.G.S., WASHINGTON, D.C. APRIL 1967. CONTRACT NO. R-09-020-011.
VR-H5-30-000-00065	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-65, DISPERSIVE MULTISPECTRAL SCANNING: A FEASIBILITY STUDY. J. BRA'WAITE, WILLOW RUN LABORATORIES OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. NOVEMBER 1966. CONTRACT NO. R-146-09-020-006.
VR-H5-30-000-00066	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-66, STATUS REPORT OF INFRARED INVESTIGATIONS (JULY 1, 1966 TO SEPTEMBER 30, 1966). ROBERT M. MOXHAM, U.S.G.S., WASHINGTON, D.C. NOVEMBER 1966. CONTRACT NO. R-146, STAR X67-10475.
VR-H5-30-000-00067	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-67. RADAR AS A TOOL FOR REGIONAL INVESTIGATIONS. NELSON R. NUNNALLY, UNIVERSITY OF ILLINOIS, DEPT. OF GEOGRAPHY, URBANA, ILL. FEBRUARY 1969. CONTRACT NUMBER R-09-020-024.
VR-H5-30-000-00069	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-69, GEMINI PHOTOGRAPHY EVALUATION. ROBERT H. NUGENT AND LOWELL R. STARR, U.S.G.S., WASHINGTON, D.C. MARCH 1967. CONTRACT NO. R-09-020-04.

TECHNICAL LETTER REPORTS - MULTISUBJECT

ACCESSION NUMBER	DESCRIPTION
VR-H5-EJ-000-00075	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-75. USE OF INFRARED IMAGERY AND COLOR PHOTOGRAPHY IN STUDY OF MISSILE IMPACT CRATERS. HENRY J. MOORE, DAVID CUMMINGS, AND D.E. GAULT, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA. APRIL 1967. CONTRACT NUMBER R-09-020-015.
VR-H5-4K-000-00081	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-81. RADAR IMAGERY: PARMACHENE LAKE AREA, WEST-CENTRAL MAINE. D. S. HARWOOD U.S.G.S., WASHINGTON, D.C., JUNE 1967. CONTRACT NO. R-09-020-015.
VR-H5-30-000-00086	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-86. ANNOTATED BIBLIOGRAPHY OF USGS TECHNICAL LETTERS-NASA ON REMOTE SENSING INVESTIGATIONS THROUGH JUNE 1967. WILLIAM D. CARTER, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. SEPTEMBER 1969. CONTRACT NUMBER R-09-020-011.
VR-H5-30-000-00088	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-88. AN ENGINEERING FEASIBILITY STUDY OF AN ORBITING SCANNING RADIOMETER. J. BRAITHWAITE, A. W. KRAUSE, AND W. L. BROWN, WILLOW RUN LABORATORIES OF THE INSTITUTE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. MAY 1967. CONTRACT NO. 14-08-0001-10108. STAR N69-28322.
VR-H5-30-000-00091	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-91. FAR INFRARED LUMINESCENCE. A.E. STODDARD, U.S.G.S., WASHINGTON, D.C. OCTOBER 1967. CONTRACT NOS. R-146-09-020-006 AND T-65754. STAR N69-28319.
VR-H5-30-000-00092	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-92. VISIBLE AND ULTRAVIOLET REFLECTANCE AND LUMINESCENCE FROM VARIOUS SAUDI ARABIAN AND INDIANA LIMESTONE ROCKS. H.V. WATTS AND H.J. GOLDMAN, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS. OCTOBER 1967. CONTRACT NO. T-65757. (CONTINUATION OF INFORMATION IN TECHNICAL LETTER NASA-32) STAR N69-28161.
VR-H5-30-000-00094	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-94. FILM DENSITY ANALYZERS FOR INFRARED INVESTIGATIONS. ROBERT H. TURNER AND GEORGE R. BOYNTON, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. JANUARY 1968. CONTRACT NO. T-65754-G. STAR N69-28159.
VR-H5-30-000-00095	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-95. A SURVEY OF LUNAR GEOLOGY. JERALD J. COOK, WILLOW RUN LABORATORIES, INSTITUTE OF SCIENCE AND TECHNOLOGY, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. NOVEMBER 1967. CONTRACT NO. R-146-09-020-006. STAR N69-28247.

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VR-H5-30-000-00097	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-97, COMPARISON OF A UV SCANNER/PHOTOMULTIPLIER WITH AN IMAGE ORTHICON, HOWARD GOLDMAN AND ROBERT MARSHALL, IIT RESEARCH INSTITUTE, CHICAGO, ILLINOIS, OCTOBER 1967, CONTRACT NUMBER R-146-09-020-006, STAR N69-28376.
VR-H5-EJ-014-00103	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-103. IMAGERY OF CRATERS PRODUCED BY MISSILE IMPACTS. HENRY J. MOORE AND REUBEN KACHADOURIAN, U.S. GEOLOGICAL SURVEY, MENLO PARK, CALIFORNIA, AND J.F. McCUALEY, FLAGSTAFF, ARIZONA. MARCH 1968. CONTRACT NUMBER R-09-020-015. STAR N68-19346.
VR-H5-EJ-998-00105	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-105. INFRARED IMAGERY AND RADIOMETRY SUMMARY REPORT. R.M. MOXHAM, G.W. GREENE, J.D. FRIEDMAN, AND S.J. GWARECKI, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C., DECEMBER 1967. CONTRACT NUMBER T-65754-G. STAR N69-28153.
VR-H5-EJ-998-00117	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-117. MAKING COLOR INFRARED FILM A MORE EFFECTIVE HIGH ALTITUDE SENSOR. ROBERT W. PEASE AND LEONARD W. BOWDEN, DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIFORNIA. MAY 1968. CONTRACT NUMBER R-14-08-0001-10674, STAR N69-28379.
VR-H5-30-000-00122	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-122. GRIDDING OF NEAR VERTICAL UNRECTIFIED SPACE PHOTOGRAPHS. RICHARD H. RAPP AND WILLIAM H. SPRINSKY, OHIO STATE UNIVERSITY, DEPARTMENT OF GEODETIC SCIENCE, COLUMBUS, OHIO. JUNE 1968. CONTRACT NUMBER 14-08-0001-10666. STAR N68-27573.
VR-H5-GJ-142-00128	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-128. PRELIMINARY REMOTE SENSING OF THE DELAWARE ESTUARY. RICHARD W. PAULSON, U.S. GEOLOGICAL SURVEY, PHILADELPHIA, PENNSYLVANIA. OCTOBER 1968. CONTRACT NO. R-146-09-020-011, STAR N69-28326.
VR-H5-00-000-00129	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-129. SELECTED BIBLIOGRAPHY OF REMOTE SENSING. ROBERT B. HONEA, EAST TENNESSEE STATE UNIVERSITY, JOHNSON CITY, TENNESSEE, AND VIRGINIA L. PRENTICE, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. SEPTEMBER 1968. CONTRACT NUMBER U.S.G.S. 14-008-001-10921. STAR N68-36402.
VR-H5-EJ-998-00132	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-132, MISSION 73, SUMMARY AND DATA CATALOG. RICHARD F. PASCUCCI AND GARY W. NORTH, AUTOMETRIC OPERATION, RAYTHEON COMPANY, ALEXANDRIA, VIRGINIA. AUGUST 1968. CONTRACT NUMBER R-09-020-024 (A/1). STAR N69-20163.

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VR-45-DJ-061-00136-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-136. A RAPID FILM DENSITY ANALYZER, G.R. BOYNTON AND R.M. MOXHAM, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C., FEBRUARY 1969. CONTRACT NUMBER T-65754.	
VR-H5-EJ-998-00142-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-142. ANALYSIS OF MULTISENSOR DATA. RAYTHEON CO., AUTOMETRIC OPERATION, ALEXANDRIA, VIRGINIA. NOVEMBER 1968. CONTRACT NO. W-12589.	
VR-H5-JO-000-00143-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-143. SENSOR DETECTION CAPABILITIES STUDY. JOHN E. WILSON, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBERS W-12570 AND 160-75-01-31-10.	
VR-H5-GJ-046-00145-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-145. COHERENT OPTICAL DATA PROCESSING AND REMOTELY SENSED IMAGERY. BRUCE E. MACDOUGALL, UNIVERSITY OF TORONTO, DEPT. OF GEOGRAPHY, TORONTO, ONTARIO, CANADA. MAY 1969. CONTRACT NUMBER R-09-020-024(A/1).	
VR-H5-JO-000-00146-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-146. PREDICTING THE RELATIVE DYE LAYER DEPTHS OF COLOR INFRARED TRANSPARENCIES. ROBERT W. PEASE, UNIVERSITY OF CALIF., DEPT. OF GEOGRAPHY, RIVERSIDE, CALIFORNIA. JANUARY 1969. CONTRACT NUMBER R-09-020-024(A/1).	
VR-H5-JO-000-00147-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-147. STUDIES IN REMOTE SENSING OF SOUTHERN CALIFORNIA AND RELATED ENVIRONMENTS. PLANT TISSUE AND THE COLOR INFRARED RECORD. ROBERT W. PEASE, UNIVERSITY OF CALIFORNIA, DEPT. OF GEOGRAPHY, RIVERSIDE, CALIFORNIA. FEBRUARY 1969. CONTRACT NUMBER R-09-020-024(A/1).	
VR-H5-EJ-998-00149-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-149. MICROWAVE RADIOMETRIC STUDIES AND GROUND TRUTH MEASUREMENTS OF THE NASA/USGS SOUTHERN CALIFORNIA TEST SITE. A.T. EDGERTON, ET AL., AEROJET-GENERAL CORP., SPACE DIVISION, EL MONTE, CALIFORNIA. MARCH 1969. CONTRACT NUMBER W-12570.	
VR-H5-JO-000-00157-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-157. THE FRAUNHOFER LINE DISCRIMINATOR - AN AIRBORNE FLUOROMETER. GEORGE E. STOERTZ, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBER T-80485C.	
VR-H5-JO-000-00159-U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-159. TESTING THE FRAUNHOFER LINE DISCRIMINATOR BY SENSING FLUORESCENT DYE. GEORGE E. STOERTZ, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBER T-80485C.	

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VR-H5-EJ-211-00175	U.S. GEOLOGICAL SURVEY, TECHNICAL LETTER NASA-175. TEST OF DATA COMPILED PROCEDURES FOR THE FRAUNHOFER LINE DISCRIMINATOR. GEORGE E. STOERTZ, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. 1969. CONTRACT NUMBER T-80485C.
VR-H5-EJ-998-01002	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 2. VARIATIONS OF EMISSIVITY IN THE INFRARED RANGE (8 TO 14 $\mu$ ). JOSEPH LINTZ, JACK QUADE, ET AL. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NO. NGR 1-38-7751.
VR-H5-EJ-019-01005	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 5. SURFACE ROUGHNESS 1/10 TO 100 MM. JOSEPH LINTZ, JACK QUADE, ET AL. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NO. NGR 1-38-7751.
VR-H5-EJ-998-01006	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 6. GROUND MONITORING OVERFLIGHTS, DR. JOSEPH LINTZ, JACK QUADE, ET AL. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. CONTRACT NO. NGR 1-38-7751. STAR N69-74845
VR-H5-EJ-998-01015	MACKAY SCHOOL OF MINES, TECHNICAL LETTER - 15. MICROWAVE EXPERIMENT SUPPORT. PETER A. BRENNAN, PETER E. CHAPMAN, AND JACK G. QUADE, MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA, RENO, NEVADA. NOVEMBER 1968. CONTRACT NUMBER NAS 9-7779.

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**SECTION 07 SUMMARY REPORTS**

## SUMMARY REPORTS - MULTISUBJECT

ACCESSION NUMBER	DESCRIPTION
VR-H7-00-000-00001	PEACEFUL USES OF EARTH-OBSERVATION SPACECRAFT, VOLUME I, INTRODUCTION AND SUMMARY, NASA CR-586, CONTRACT NO. NASW-1084, BY UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN STAR N66-37028.
VR-H7-00-000-00002	PEACEFUL USES OF EARTH-OBSERVATION SPACECRAFT, VOLUME II, SURVEY OF APPLICATIONS AND BENEFITS, NASA CR-587, CONTRACT NO. NASW-1084, BY UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. STAR N66-37029.
VR-H7-00-000-00003	PEACEFUL USES OF EARTH-OBSERVATION SPACECRAFT, VOLUME III, SENSOR REQUIREMENTS AND EXPERIMENTS, NASA CR-588, CONTRACT NO. NASW-1084, BY THE UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. STAR N66-37030.
VR-H7-00-000-00005	A SURVEY OF SPACE APPLICATIONS, NASA SP-142. OFFICE OF TECHNOLOGY UTILIZATION SCIENTIFIC INFORMATION DIVISION, WASHINGTON, D.C. APRIL 1967. STAR N67-23338
VR-H7-00-000-00007	EARTH RESOURCE SURVEYS FROM SPACECRAFT, SAMPLE ANALYSES AND INTERPRETATIONS RELATING TO AGRICULTURE, CARTOGRAPHY, FORESTRY, GEOGRAPHY, GEOLGY, HYDROLOGY, AND OCEANOGRAPHY, ROGER A. LEESTMA AND RICHARD A. WHITE, PREPARED BY THE U.S. ARMY CORPS OF ENGINEERS FOR THE EARTH RESOURCES SURVEY PROGRAM, SPACE APPLICATIONS PROGRAMS OFFICE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C. ISSUED 1967. INTERAGENCY PURCHASE REQUEST R-47-009-001, 2 V. LIBRARY CALL NUMBER QE 501 U4.
VR-H7-00-000-00008	BIBLIOGRAPHY OF REMOTE SENSING OF RESOURCES, PREPARED FOR THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, SPACE APPLICATIONS PROGRAM, EARTH RESOURCES SURVEY PROGRAM, BY MRS. NATALIE E. JONES AND DR. ROGER A. LEESTMA, U.S. ARMY CORPS OF ENGINEERS, FORT BELVOIR, VIRGINIA. SEPTEMBER 1968. DEFENSE PURCHASE REQUEST R-47-009-006. STAR N68-19870.
VR-H7-00-000-00009	RADAR BIBLIOGRAPHY FOR GEOSCIENTISTS. CRES REPORT 61-30. ROBERT L. WALTERS, REMOTE SENSING LABORATORY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, MARCH 1968. CONTRACT NUMBERS NSR-17-004-003, NSG-298, USGS 14-08-0001-10848, AND NAS 175. STAR N69-30303.
VR-H7-00-000-00010	PROCEEDINGS OF GROUND TRUTH SESSION, NOVEMBER 1967. PREPARED BY TEST AND OPERATIONS OFFICE, SCIENCE AND APPLICATIONS DIRECTORATE, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, EARTH RESOURCES PROGRAM, MANAGED SPACECRAFT CENTER, HOUSTON. STAR N69-30352

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VR-H7-30-000-00012	PROCEEDINGS OF THE WINTER STUDY ON USES OF MANNED SPACE FLIGHT, 1975-1985, NASA SCIENCE AND TECHNOLOGY ADVISORY COMMITTEE FOR MANNED SPACE FLIGHT. A CONFERENCE HELD AT LA JOLLA, CALIFORNIA, DEC. 6-9, 1968. VOL. I, PROCEEDINGS, VOL. II, APPENDICES. NASA SP-196. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OFFICE OF TECHNOLOGY UTILIZATION, WASHINGTON, D.C. (VOL. II) STAR N70-17026.
VR-H7-30-000-00015	PROCEEDINGS OF THE FOURTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, APRIL 12-14, 1966; INFRARED PHYSICS LABORATORY, WILLOW RUN LABORATORIES, INSTITUTE OF SCIENCE AND TECHNOLOGY UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN. STAR N67-13461.
VR-H7-30-000-00016	MARSHALL SPACE FLIGHT CENTER REMOTE SENSING SYMPOSIUM, NOVEMBER 9, 1965. NASA TECHNICAL MEMORANDUM NASA TM-X-53514, GEORGE C. MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALABAMA. SEPTEMBER 8, 1966. CONTRACT NO. NASA TM-X-53514. STAR X68-86970.
VR-H7-30-000-00017	SPACE APPLICATIONS SUMMER STUDY 1967, INTERIM REPORT V.1, CENTRAL REVIEW COMMITTEE CONCLUSIONS AND RECOMMENDATIONS: SUMMARIES OF PANEL REPCRTS. NATIONAL ACADEMY OF SCIENCES-NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. JANUARY 1968. TASK ORDER NSR 09-012-909. STAR N68-18135.
VR-H7-30-000-00018	PROCEEDINGS OF THE FIRST SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, FEBRUARY 13-15, 1962. UNIVERSITY OF MICHIGAN, INFRARED LABORATORY, INSTITUTE OF SCIENCE AND TECHNOLOGY, ANN ARBOR, MICHIGAN. SECOND REVISED PRINTING, APRIL 1964. CONTRACT NUMBER NONR 1224(44).
VR-H7-30-000-00019	PROCEEDINGS OF THE SECCNU SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, OCTOBER 15-17, 1962. UNIVERSITY OF MICHIGAN, INFRARED LABORATORY, INSTITUTE OF SCIENCE AND TECHNOLOGY, ANN ARBOR, MICHIGAN. FEBRUARY 1963. CONTRACT NUMBER NONR 1224(44). STAR N66-81277.
VR-H7-30-000-00020	SUPPORTING RESEARCH AND ADVANCED DEVELOPMENT, SPACE PROGRAMS SUMMARY 37-55, VOL. 3, JET PROPULSION LABORATORY, CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIFORNIA. FEBRUARY 28, 1969. CONTRACT NUMBER NAS 7-100.
VR-H7-30-000-00021	THE UNIVERSITY OF MICHIGAN NOTES FOR A PROGRAM OF STUDY IN REMOTE SENSING OF EARTH RESOURCES. CONDUCTED AT NASA, MSC, HOUSTON, TEXAS, 14 FEBRUARY 1968 - 3 MAY 1968. UNIVERSITY OF MICHIGAN, WILLOW RUN LABORATORIES, ANN ARBOR, MICHIGAN, NOVEMBER 1968. CCNTRACT NUMBER NAS 9-7676,

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VR-H7-FH-998-00022	GEMINI SUMMARY CONFERENCE, FEBRUARY 1-2, 1967, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C. NASA SP-138. STAR N68-14941.
VR-H7-EJ-998-00023	EARTH PHOTOGRAPHS FROM GEMINI III, IV, AND V. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OFFICE OF TECHNOLOGY UTILIZATION, WASHINGTON, D.C. 1967 NASA SP-129. STAR N67-26641.
VR-H7-GH-998-00024	EARTH PHOTOGRAPHS FROM GEMINI VI THROUGH XII. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OFFICE OF TECHNOLOGY UTILIZATION, WASHINGTON, D.C. 1968 NASA SP-171. STAR N69-28909.
VR-H7-GH-998-00025	SUMMARY OF THE GEMINI PROGRAM AND ITS EFFECT ON MANNED SPACE SCIENCE. PRESENTED AT THE PROCEEDINGS OF THE SEVENTH INTERNATIONAL SYMPOSIUM ON SPACE TECHNOLOGY AND SCIENCE, TOKYO, 1967, ROBERT O. PILAND AND PAUL R. PENROD, NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS.
VR-H7-JO-000-00027	BIBLIOGRAPHY ON OPTICAL INFORMATION AND DATA PROCESSING. EML RESEARCH REPORT NO. 3. J.P. MOFFATT, A.T. SHANKLE, AND F.J. TISCHER, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NORTH CAROLINA, NOVEMBER 1966, CONTRACT NO. NGR-34-002-038. STAR N67-17966.
VR-H7-JO-000-00028	PHOTOGRAPHY OF THE EARTH FROM SOUNDER ROCKETS AND SATELLITES, A REVIEW. PAUL D. LOWMAN, JR., GODDARD SPACE FLIGHT CENTER, GREENBELT, MD, 1964
VR-H7-JO-000-00029	EARTH-RESOURCE SURVEY FROM SPACE. PAUL G. THOMAS, ASSOCIATE EDITOR, SPACE/AERONAUTICS. PUBLISHED IN VOL. 50, JULY 1968, P. 46-54.
VR-H7-JO-000-00030	USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. REPORT OF THE CENTRAL REVIEW COMMITTEE, SUMMER STUDY ON SPACE APPLICATIONS. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. 1969. CONTRACT NUMBER NSR 09-012-409. STAR N69-27755.
VR-H7-JO-000-00031	USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. SUMMARIES OF PANEL REPORTS, SUMMER STUDY ON SPACE APPLICATIONS, NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. 1969. CONTRACT NUMBER NSR 09-012-909. STAR N69-28240.

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VR-H7-30-000-00037	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES, SENSORS AND DATA SYSTEMS- NO. 6. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR-09-012-909, STAR N69-27754.
VR-H7-30-000-00038	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. POINTS-TO-POINT COMMUNICATION NO. 7. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909, STAR N69-27875.
VR-H7-30-000-00039	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. SYSTEMS FOR REMOTE-SENSING INFORMATION AND DISTRIBUTION-NO. 8. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909.
VR-H7-30-000-00040	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. POINT-TO-POINT COMMUNICATIONS NO. 9. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909.
VR-H7-30-000-00041	SPACE APPLICATIONS SUMMER STUDY 1969. USEFUL APPLICATIONS OF EARTH-ORIENTED SATELLITES. BROADCASTING-NO. 10. NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL, WASHINGTON, D.C. CONTRACT NUMBER NSR 09-012-909. STAR N69-28938.
VR-H7-30-000-00044	SUMMARY OF TANGIBLE RESULTS ACHIEVED BY EARTH OBSERVATION SATELLITES TO DATE. ERIC S. BURNETT, TRW SYSTEMS, REDONDO BEACH, CALIFORNIA. JULY 1969.
VR-H7-30-000-00048	THE AMERICAN SOCIETY OF PHOTOGRAVIMETRY. SEMI-ANNUAL MEETING SEPTEMBER 29, OCTOBER 3, 1968. SAN ANTONIO, TEXAS.
VR-H7-30-000-00054*	REMOTE SENSING RESEARCH IN THE UNITED STATES. A SUMMARY, WILLIAM A. FISCHER, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT THE INTERNATIONAL CONGRESS FOR PHOTOGRAVIMETRY, 11TH, LAUSANNE, SWITZERLAND, JULY 1968. STAR N69-40907.
VR-H7-EJ-998-00057*	SUMMARY REPORT ON PHOTOGRAPHY OBTAINED WITH ALOTS (AUTOMATIC LIGHTWEIGHT OPTICAL TRACKING SYSTEM) IN SUPPORT OF THE EARTH RESOURCES AIRCRAFT PROGRAM. P.N. SLATER, R.H. NOBLE AND B.J. SAVIDGE, UNIVERSITY OF ARIZONA, OPTICAL SCIENCES LAB., TUCSON, ARIZONA. MARCH 1967. CONTRACT NO. NSR-03-002-066.

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### **SECTION 08 SUBJECT RELATED DOCUMENTS**

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ACCESSION NUMBER	DESCRIPTION
VR-H8-00-000-00001	MANNED LUNAR ORBITAL MISSIONS; VOLUME I (2ND EDITION), APRIL 1965, PRELIMINARY MISSION DEFINITION FOR POST APOLLO MANNED EXPLORATION OF SPACE
VR-H8-00-000-00002	MANNED LUNAR ORBITAL MISSIONS; VOLUME IA, APRIL 1965, REVISED SUBMISSIONS FROM POTENTIAL EXPERIMENTERS
VR-H8-00-000-00003	ANALYSIS OF REMOTE SENSING DATA REQUIREMENTS BY EXPERIMENT; NASA MSC, ISSUE DATE, NOVEMBER 1965.
VR-H8-00-000-00004	MANNED EARTH ORBITAL MISSION; PART I (2ND EDITION) NOVEMBER 1965, PRELIMINARY MISSION DEFINITION FOR POST APOLLO MANNED EXPLORATION OF SPACE.
VR-H8-00-000-00005	SELENOIDETIC STUDY ON CONSOLIDATION OF AERONAUTICAL CHART AND INFORMATION CENTER AND ARMY MAP SERVICE LUNAR CONTROL SYSTEMS. FINAL REPORT, FEBRUARY 1966. U.S. AIR FORCE, LUNAR AND PLANETARY BRANCH, CARTOGRAPHY DIVISION, AERONAUTICAL CHART AND INFORMATION CENTER, ST. LOUIS, MISSOURI. NASA DEFENSE PURCHASE REQUEST T-42805 (G).
VR-H8-00-000-00006	MANNED EARTH ORBITAL MISSION; PART II (2ND EDITION) DECEMBER 1965, PRELIMINARY MISSION DEFINITION FOR POST APOLLO MANNED EXPLORATION OF SPACE.
VR-H8-00-000-00011	REMOTE SENSOR AIRCRAFT DATA GATHERING SYSTEM DATA PROCESSING AND DISTRIBUTING UNIT; NATURAL RESOURCES PROGRAM, SPACE APPLICATIONS PROGRAMS OFFICE, MARCH 1966.
VR-H8-00-000-00012	PRELIMINARY NEWSLETTER, 'PURDUE FIELD EXPERIMENTS USING THE PERKIN-ELMER SG-4 SPECTROMETER' JULY 11, 1966, PURDUE UNIVERSITY, LAFAYETTE, INDIANA, ROGER A. HOLMES, SCHOOL OF ELECTRICAL ENGINEERING, CONTRACT NUMBER NGR-15-005-028.
VR-H8-00-000-00013*	SOME PHYSICAL FACTORS AFFECTING RADIOPHOTOGRAPHIC IMAGE QUALITY - THEIR THEORETICAL BASIS AND MEASUREMENT. LLOYD M. BATES, DEPT. OF RADIOLOGICAL SERVICES, JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD. JUNE 1966. PUBLISHED IN ENVIRONMENTAL HEALTH SERIES, PUBLICATION NO. 999-RH-38.
VR-H8-00-000-00014*	DESCRIPTION OF IMAGES OF VISUAL OBJECTS THROUGH CORRELATION FUNCTIONS. V.M. MOROZ, PUBLISHED IN AVTOVATIKA, VOL. 14, SEPT.-OCT. 1969, PP. 80-82, MICROFICHE COPY.

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ACCESSION NUMBER	DESCRIPTION
VR-H3-30-000-00017	PROPOSED INSTRUMENT CALIBRATION SITES, APPLICATIONS AREAS AND RESPONSIBLE AREAS AND RESPONSIBLE SCIENTISTS. MAY 2, 1966
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VR-H3-30-000-00021*	DIE BEUGUNGSSERSCHEINUNGEN - A TRIBUTE TO F.M. SCHWERTS MONUMENTAL WORK ON FRAUNHOFER DIFFRACTION. RICHARD B. HOOVER, NASA/MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALA. PUBLISHED IN APPLIED OPTICS, VOL. 8, NO. 11, NOV. 1969. PP.2161-2164.
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VR-H8-30-000-00411*	CHEMICAL FAR INFRARED SPECTROSCOPY. J.W. BRASCH, Y. MIKAWA, ET AL., BATTELLE MEMORIAL INSTITUTE, COLUMBUS, OHIO, PUBLISHED IN APPLIED SPECTROSCOPY REVIEWS, VOL. 1, NO. 2, 1968, PP.187-235.
VR-H8-30-000-00413*	THE STEADY STATE AND DYNAMIC HEAT TRANSFER FROM TURBULENCE SENSORS IN LIQUIDS. J.W. DELLEUR, G.H. TOEBES, ET AL., PURDUE UNIVERSITY, LAFAYETTE, INDIANA, PRESENTED AT INTERNATIONAL ASSOCIATION FOR HYDRAULIC RESEARCH, 12TH CONGRESS, FORT COLLINS, COLORADO, SEPT. 1967, PROCEEDINGS, VOL. 2, PP.227-236. PURDUE UNIV. ENGINEERING REPRINTS, CE 243.
VR-H8-30-000-00414*	SATELLITE GEODESY. A.G. MOURAD, BATTELLE MEMORIAL INSTITUTE COLUMBUS, OHIO, PUBLISHED IN HANDBOOK OF SOVIET SPACE-SCIENCE RESEARCH, GORDON AND BREACH SCIENCE PUBLISHERS, N.Y., CHAPTER 17, PP.421-430.
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VR-H8-30-000-00490*	HOLOGRAPHIC OPTICAL DATA PROCESSING. NASA-TM-X-53961. RODNEY W. JENKINS, NASA/MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALABAMA. NOVEMBER 1969. STAR N70-17359.
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VR-H9-30-000-00001	PRELIMINARY REPORT ON A MULTISPECTRAL EXPERIMENT. ABRAHAM ANSON, SYSTEMS BRANCH, INTELLIGENCE DIVISION, USAEGIMRADA, FEBRUARY 18, 1965. CONTRACT NUMBER R-47-009-002. STAR N65-85566.
VR-H9-30-000-00002	MULTISPECTRAL EXPERIMENT NO. 2, ABRAHAM ANSON, SYSTEMS BRANCH, INTELLIGENCE DIVISION, USAEGIMRADA, AUGUST 3, 1965. CONTRACT NUMBER R-47-0C9-002.
VR-H9-30-000-00003	THE INVESTIGATION OF FLAME SPREADING OVER THE SURFACE OF IGNITING SOLID PROPELLANTS. ROBERT F. MCALVEY, III, PROFESSOR OF MECHANICAL ENGINEERING, STEVENS INSTITUTE OF TECHNOLOGY, HOBOKEN, NEW JERSEY, JANUARY 15, 1966. CONTRACT NO. NGR-31-003-014. STAR X69-90091
VR-H9-30-000-00005	SOME EMPIRICAL AND THEORETICAL INTERPRETATIONS OF MULTIPLE POLARIZATION RADAR DATA. R. D. ELLERMEIER, A. K. FUNG, AND L. S. SIMONETT, UNIVERSITY OF KANSAS, CRES REPORT 61-10, APRIL 14, 1966. CONTRACT NUMBER NSR-17-004-003. STAR N68-13437.
VR-H9-30-000-00007	FRESNEL ZONE PROCESSING OF SYNTHETIC APERTURE RADAR DATA. M. D. BUCHANAN AND R. K. MOORE, UNIVERSITY OF KANSAS, CRES REPORT 61-1, JANUARY 3, 1966. CONTRACT NUMBER NSR-17-004-003. STAR N66-21651.
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VR-H9-30-000-00036	THE GENERAL LINEAR EQUATION IN PREDICTION. PROFESSOR E. H. TIMOTHY WHITTEN. NORTHWESTERN UNIVERSITY REPORT NUMBER 8, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS. DECEMBER 15, 1966. CONTRACT NUMBER NGR-14-007-027.
VR-H9-30-000-00037*	THE EFFECT OF GROUND TEMPERATURE ON THERMAL RESOLUTION IN INFRARED IMAGERY. C.P. BASTUSCHECK, HRB-SINGER, INC., SCIENCE PARK, STATE COLLEGE, PA. PRESENTED AT THE AMERICAN SOCIETY OF PHOTOGRAVEMETRY AND AMERICAN CONGRESS OF SURVEYING AND MAPPING, PORTLAND, OREGON. SEPT. 1969. PP.T-25.
VR-H9-30-000-00041	ORBITAL REMOTE SENSING AND NATURAL RESOURCES. DR. PETER C. BADGLEY, NASA AND WILLIAM L. VEST, IIT RESEARCH INSTITUTE, CHICAGO, ILL./NASA HQ., CODE SAR WASHINGTON, D.C. JUNE 8, 1967, PUBLISH DATE SEPT. 19, 1966.
VR-H9-30-000-00045	POLARIZATION DEPENDENT RADAR RETURN FROM ROUGH SURFACES. K. KRISHEN, W. W. KOEPSEL, S. H. DURRANI, DEPARTMENT OF ELECTRICAL ENGINEERING, KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS. TECHNICAL REPORT EE-TR-2, JANUARY 1966. CONTRACT NOS. NSG-692 AND NSR 17-004-003. STAR N67-18974.
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VR-H9-DJ-049-00066\* EDDY CORRELATION MEASUREMENTS OF SENSIBLE HEAT FLUX NEAR THE EARTHS SURFACE. M.L. WESELY, C.B. TANNER, ET AL., DEPT. OF SOIL SCIENCE, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN. PUBLISHED IN JOURNAL OF APPLIED METEOROLOGY, VOL. 9, NO. 1, FEB. 1970. PP. 45-50.

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VR-H9-30-000-00082 ADAPTIVE PATTERN RECOGNITION BY USING A PREDICTIVE MODEL IN CONSTRUCTION OF SIMILARITY SETS. CRES TECHNICAL REPORT 118-5 ROBERT HARALICK, REMOTE SENSING LABORATORY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1967. CONTRACT NOS. NSR 17-004-003 AND NAS 9-7175. STAR N69-32554

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VR-H9-30-000-00084*	COMMENTS ON REMOTE SENSING. RICCARDO GIACCONI AND BERNARD HARRIS, AMERICAN SCIENCE AND ENGINEERING, INC., CAMBRIDGE, MASS. PUBLISHED IN IEEE TRANSACTIONS ON GEOSCIENCE ELECTRONICS, VOL. GE-7, NO. 4, OCT. 1969. PP.179-190.
VR-H9-30-000-00085*	IMAGE PROCESSING. AZRIEL ROSENFIELD, UNIVERSITY OF MARYLAND, COMPUTER SCIENCE CENTER, COLLEGE PARK, MARYLAND. PUBLISHED IN SPACE/AERONAUTICS, VOL. 52, DEC. 1969. PP.48-55.
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VR-H9-30-000-00092*	EARTH RESOURCES SATELLITES - CAPABILITIES VERSUS REQUIREMENTS. ALAN J. STRATTEN, NASA/OFFICE OF ADVANCED RESEARCH PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO, OCTOBER 1969. PAPER AAS 69-587. MICROFICHE COPY.
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VR-H9-30-000-00104*	LIDAR-RADAR LOWER ATMOSPHERIC OBSERVATIONS. FINAL REPORT OCT. 67 - OCT. 68. WILLIAM VIEZEE AND JOHN OBLANS, STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIFORNIA. NOV. 1968. CONTRACT NO. F19628-68-C-0021. MICROFICHE COPY.
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VR-H9-30-000-00111	THE OMNIDIRECTIONAL SCATTERING OF ACOUSTIC WAVES FROM ROUGH SURFACES WITH APPLICATION TO ELECTROMAGNETIC SCATTERING. CRES REPORT 48-4. BOWEN E. PARKINS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JUNE 1965. CONTRACT NUMBERS NSG-298, NSR 17-004-003, AND NATIONAL SCIENCE FOUNDATION GRANT GP-2259.
VR-H9-30-000-00112	SCATTERING AND DEPOLARIZATION OF ELECTROMAGNETIC WAVES BY ROUGH SURFACES. CRES REPORT 48-5. ADRIAN K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. NOVEMBER 1965. CONTRACT NUMBERS NSG-298 AND NATIONAL SCIENCE FOUNDATION GRANT GP-2259. STAR K68-10004,

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VR-H9-00-000-00113	SCATTERING THEORIES AND RADAR RETURN. CRES REPORT 48-3, ADRIAN K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, MAY 1965. CONTRACT NUMBERS NSG-298 AND NATIONAL SCIENCE FOUNDATION GRANT GP-2259. STAR V68-10090.
VR-H9-00-000-00116	USE OF THE RADAR SCATTEROMETER IN AIRCRAFT AND SPACECRAFT RESOURCES PROGRAMS. TECHNICAL MEMORANDUM 118-7, R.K. MOORE UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, OCTOBER 1968. CONTRACT NUMBER NAS 9-7175.
VR-H9-00-000-00117	SURFACE PROFILING USING A RADAR INTERFEROMETER. TECHNICAL MEMORANDUM 61-9. JEROME BUTLER AND R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MARCH 1965. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00118	AUTOMATIC MEASUREMENTS OF TEXTURE AND DETECTION OF LINES IN A FLYING-SPOT SCANNER SYSTEM. TECHNICAL MEMORANDUM 61-33, GEORGE DALKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, AUGUST 1966. CONTRACT NO. NSR 17-004-003.
VR-H9-00-000-00119	PHOTOGRAPHIC COLOR COMBINATION PROCEDURES AND EQUIPMENT AVAILABLE AT CRES. TECHNICAL MEMORANDUM 61-24. DWIGHT EGBERT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JUNE 1966. CONTRACT NUMBER NSR 17-004-003. STAR X69-74558
VR-H9-00-000-00120	AUTOMATIC ACUTENESS MEASUREMENTS FOR MULTIPLE IMAGES. TECHNICAL MEMORANDUM 61-31. GEORGE DALKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00121	PATTERN RECOGNITION PROBLEM. TECHNICAL MEMORANDUM 61-23. ROBERT HARALICK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-C00-00122	CALCULATION OF TRISTIMILLUS COEFFICIENT FOR THE CRES MULTI-COLOR DISPLAY. TECHNICAL MEMORANDUM 61-14. GEORGE W. DALKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1965. CONTRACT NUMBER NSR 17-004-003.

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VR-H9-00-000-00124	POSSIBLE LUNAR ANALOGS FOR USE BY THE WATERWAYS EXPERIMENT STATION, VICKSBURG, MISSISSIPPI. TECHNICAL MEMORANDUM 61-11. DWIGHT BROWN, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. DECEMBER 1964. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00126	THE (3 X 3) MATRIX UNIT. TECHNICAL MEMORANDUM 61-22. F. WELTER, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00127	ESTABLISHMENT OF THE CRITERION FOR DETERMINING THE PULSE REPETITION FREQUENCY, THE BEAM LENGTH, PULSE WIDTH AND PULSE LENGTH ON THE GROUND. TECHNICAL MEMORANDUM 61-6. J. BUTLER, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1964. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00129	SYNTHETIC APERTURE RADAR ACOUSTIC SIMULATOR. TECHNICAL MEMORANDUM 118-3. J. LANCE FROMME, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. DECEMBER 1967. CONTRACT NO. NAS 9-7175.
VR-H9-00-000-00130	LINE DRIVING AMPLIFIER. TECHNICAL MEMORANDUM 118-2. JOHN BRYANT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. NOVEMBER 1967. CONTRACT NUMBER NAS 9-7175.
VR-H9-00-000-00131	ACOUSTIC SCATTERING FROM SURFACES WITH CONTROLLED WAVE SPECTRA. TECHNICAL MEMORANDUM 112-2. R.L. KNUCKEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JUNE 1967. CONTRACT NUMBER N62306-67-C-0044.
VR-H9-00-000-00132	ACOUSTIC SCATTERING FROM SURFACES WITH CONTROLLED WAVE SPECTRA. TECHNICAL MEMORANDUM 112-1. R.L. KNUCKEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MARCH 1967. CONTRACT NUMBER N62306-67-C-0044.
VR-H9-00-000-00133	MULTI-FREQUENCY ACOUSTICAL SIMULATION SYSTEM. TECHNICAL MEMORANDUM 61-2. MIKE BUCHANAN, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1964. CONTRACT NUMBER NSR 17-004-003.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00134	A METHOD OF ANALYZING NRL FLIGHT RADAR RETURN. TECHNICAL MEMORANDUM 61-3. J.W. ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1964. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00135	SYNTHETIC APERTURE POWER REQUIREMENTS. TECHNICAL MEMORANDUM 61-8. R.K. MOORE AND JEROME BUTLER, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. NOVEMBER 1964, REVISED JULY 1967. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00136	INITIAL DESIGN CONSIDERATIONS FOR THE MULTI-COLOR DISPLAY. TECHNICAL MEMORANDUM 61-5. G.W. DALKE, J.E. RATHKE, AND J.W. ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. DECEMBER 1964. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00137	SYNTHETIC APERTURE ANTENNA. TECHNICAL MEMORANDUM 61-13. JOHN ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1965. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00138	RANGE ERROR STATISTICS FOR SPLIT-GATE ALTIMETER: PART I, SQUARE LAW DETECTION. TECHNICAL MEMORANDUM 112-3. HAN L. LEE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. APRIL 1968. CONTRACT NUMBER N62306-67-C-0044.
VR-H9-30-000-00139	MODIFICATIONS MADE ON PHOTOVOLT 520-A DENSITOMETER. TECHNICAL MEMORANDUM 61-15. MIKE BUCHANAN, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1965. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00140	ON THE FEASIBILITY OF IMAGING RADAR ON SMALL SPACECRAFT. TECHNICAL MEMORANDUM 118-6. JOHN W. ROUSE, JR., UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1968. CONTRACT NUMBER NAS 9-7175.
VR-H9-30-000-00141	RANGE ERROR STATISTICS FOR SPLIT-GATE ALTIMETER: PART II, LINEAR DETECTION. TECHNICAL MEMORANDUM 112-4. HAN L. LEE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. APRIL 1968. CONTRACT NUMBER N62306-67-C-0044.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00142	IBM PAPER TAPE PUNCH PROGRAM FOR THE LGP-30 COMPUTER. TECHNICAL MEMORANDUM 61-56. IRVIN EDWARD YOUNGBERG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1967. CONTRACT NUMBERS NSR 17-004-003 AND NAS 9-7175.
VR-H9-30-000-00143	ANALOG TO DIGITAL TO PAPER TAPE DATA PRINTER FOR THE LGP-30 COMPUTER. TECHNICAL MEMORANDUM 61-57. IRVIN EDWARD YOUNGBERG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1967. CONTRACT NUMBERS NSR 17-004-003 AND NAS 9-7175.
VR-H9-30-000-00144	USE OF THE NUMERICAL TAXONOMY SYSTEM. TECHNICAL MEMORANDUM 61-54. ROBERT MARALICK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1967. CONTRACT NUMBERS NSR 17-004-003 AND NAS 9-7175.
VR-H9-30-000-00145	THE 3-CHANNEL FLYING SPOT SCANNER. TECHNICAL MEMORANDUM 61-39. J.E. RATHKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING RESEARCH DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00146	THE TRI-COLOR DISPLAY UNIT. TECHNICAL MEMORANDUM 61-40. J.E. RATHKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00147	LGP-30 AUTOCORRELATION PROGRAM. TECHNICAL MEMORANDUM 61-55. IRVIN EDWARD YOUNGBERG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1967. CONTRACT NUMBERS NSR 17-004-003 AND NAS 9-7175.
VR-H9-30-000-00148	AN ANALOG TO DIGITAL TO PAPER TAPE CONVERTER. TECHNICAL MEMORANDUM 61-44. JESS BETLACK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. APRIL 1966. CONTRACT NO. NSR 17-004-003.
VR-H9-30-000-00149	DESIGN CONSIDERATIONS FOR A FLYING SPOT SCANNER SYSTEM. TECHNICAL MEMORANDUM 61-56. J.E. RATHKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. NOVEMBER 1966. CONTRACT NUMBER NSR 17-004-003.

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VR-H9-00-000-00150	THE CRES DATA HANDLING SYSTEM. TECHNICAL MEMORANDUM 61-37. J.E. RATHKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00151	PHOTOMULTIPLIER, COMPENSATED VIDEO AMPLIFIER AND VIDEO AMPLIFIER CIRCUITS. TECHNICAL MEMORANDUM 61-38. J.E. RATHKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00152	PATTERN RECOGNITION AND SIMILARITY-A PHILOSOPHIC DISCUSSION. TECHNICAL MEMORANDUM 61-35. ROBERT HARALICK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00153	PATTERN RECOGNITION AND SIMILARITY-A MATHEMATICAL DESCRIPTION. TECHNICAL MEMORANDUM 61-35A. ROBERT HARALICK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00154	UNFOCUSSED SYNTHETIC APERTURE ANTENNA RADAR POWER REQUIREMENTS. TECHNICAL MEMORANDUM 61-16. JOHN ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1965, REVISED JULY 1967. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00155	TECHNIQUE FOR PRODUCING A PSEUDO THREE DIMENSIONAL EFFECT WITH MONOSCOPIC RADAR IMAGERY. TECHNICAL MEMORANDUM 61-19. L.F. DELLWIG, H.C. MACDONALD, AND J.N. KIRK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. DECEMBER 1965. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00156	REDUCTION OF LIKE-IMAGES TO SPACE CORRELATED DATA LISTS. TECHNICAL MEMORANDUM 61-21. G.W. DALKE AND M.O. MICHELICH, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-00-000-00157	RADAR LINEARS NOT RELATED TO GEOL
	ICAL MEMORANDUM 61-26. H.C. MACDONALD, ELLIOT GILLE, L.F. DELLWIG, AND NORMAN KIRK, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1966. CONTRACT NUMBER NSR 17-004-003.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00158	IMAGE REPRODUCTION WITH THE COLOR TELEVISION RECEIVER, TECHNICAL MEMORANDUM 61-28. R.L. KNUCKEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. AUGUST 1966. CONTRACT NUMBER NSR 17-204-003.
VR-H9-30-000-00160	COLOR THEORY. TECHNICAL MEMORANDUM 61-4. GEORGE DALKE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1964. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00167	FREQUENCY DEPENDENCE OF WAVES SCATTERED FROM ROUGH SURFACES. CRES REPORT NO. 48-6. AURIAN K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. DECEMBER 1965. CONTRACT NUMBER NATIONAL SCIENCE FOUNDATION GRANT GP-2259.
VR-H9-30-000-00169	LITERATURE SURVEY ON SCATTERING FROM LAYERED MEDIA. CRES REPORT 48-7. TONY LEONARIS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1 CONTRACT NUMBERS NSG-298 AND NATIONAL SCIENCE FOUNDATION GRANT GP-2259
VR-H9-30-000-00170	EXACT SOLUTION TO THE SCATTERING OF WAVES FROM A ROUGH SURFACE. CRES REPORT 48-1. A.K. FUNG, UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JUNE 1964. CONTRACT NUMBERS NSG-298 AND NATIONAL SCIENCE FOUNDATION GRANT GP-2259.
VR-H9-30-000-00171	SCATTERING OF ELECTROMAGNETIC WAVES FROM A SLIGHTLY ROUGH DIELECTRIC LAYER. CRES TECHNICAL REPORT 105-3. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1967. CONTRACT NUMBER NATIONAL SCIENCE FOUNDATION GRANT GK-875.
VR-H9-30-000-00172	SCATTERING AND DEPOLARIZATION OF ELECTROMAGNETIC WAVES BY A HORIZONTALLY WEAKLY INHOMOGENEOUS MEDIUM. CRES TECHNICAL REPORT 105-2. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. MAY 1967. CONTRACT NUMBERS NATIONAL SCIENCE FOUNDATION GRANTS GK-875 AND GK-1153.
VR-H9-30-000-00173	WAVE PROPAGATION ACROSS AN IRREGULAR INTERFACE BETWEEN A HOMOGENEOUS AND AN INHOMOGENEOUS MEDIUM. CRES TECHNICAL REPORT 105-4. ADRIAN K. FUNG AND CHIEN-MIN TU, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JULY 1967. CONTRACT NUMBERS NATIONAL SCIENCE FOUNDATION GRANTS GK-875 AND GK-1153.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00174*	THE EFFECT OF OBJECT MOTION IN FRAUNHOFER HOLOGRAPHY WITH APPLICATION TO VELOCITY MEASUREMENTS. NASA TN-D-3515. WILLIAM P. DOTSON, JR., NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. NASA/WASHINGTON, D.C. NOV. 1969. MICROFICHE COPY. STAR N69-40812.
VR-H9-30-000-00177	SYNTHETIC-APERTURE SIGNAL FILM QUALITY CALCULATIONS. TECHNICAL MEMORANDUM 61-43. JOHN ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00178	MULTICOLOR PRESENTATION OF IMAGES WITH EDGE ENHANCEMENT. TECHNICAL MEMORANDUM 61-42. R.L. KNUCKEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. OCTOBER 1966. CONTRACT NUMBER NSR 17-004-003.
VR-H9-30-000-00182	PRECISION MULTISPECTRAL PHOTOGRAPHY FOR EARTH RESOURCES APPLICATIONS. SERG-TR-04. SONORA WENDEROTH AND EDWARD YOST, SCIENCE ENGINEERING RESEARCH GROUP, LONG ISLAND UNIVERSITY, GREENVALE, NEW YORK. SEPTEMBER 1968. CONTRACT NUMBER NAS 9-7291. STAR N68-38156.
VR-H9-30-000-00185*	A FAR INFRARED SPECTROMETER. I.F. SILVERA, AND G. BIRNBAUM, NORTH AMERICAN ROCKWELL CORP., THOUSAND OAKS, CALIFORNIA. PUBLISHED IN APPLIED OPTICS, VOL. 9, NO. 3, MARCH 1970, PP.617-625.
VR-H9-30-000-00187*	A NOVEL MEANS OF THERMAL IMAGING. J.G. HIRSCHBERG, PHYSICS DEPT., UNIVERSITY OF MIAMI, CORAL GABLES, FLA. PUBLISHED IN APPLIED OPTICS, VOL. 9, NO. 3, MARCH 1970, PP.761-763.
VR-H9-30-000-00188*	COLOR PICTURE REPRODUCTION USING A HIGH-RESOLUTION TELEVISION SYSTEM. C.R. SMITH, ET AL., RCA DEFENSE ELECTRONIC PRODUCTS, PRINCETON, N.J. PUBLISHED IN JOURNAL OF THE SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS, VOL. 79, NO. 3, MARCH 1970. PP.218-222.
VR-H9-30-000-00198*	IMAGE MOTION STABILIZATION REQUIREMENTS FOR DYNAMIC VISUAL TASKS IN SPACE. REPORT NO. G-664 - NASA CR-73351. BARRY J. COHEN, JAMES T. MILLER, ET AL.; MCDONNELL DOUGLAS CORP., ST. LOUIS, MISSOURI. JAN. 1969. CONTRACT NUMBER NAS2-900. STAR N70-10866.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-3J-000-00201*	AERIAL PHOTOGRAPHY AND MULTISPECTRAL REMOTE SENSING FOR ENGINEERING SOILS MAPPING. PROGRESS REPORT ON PHASE B, REPORT NO. JHRP-13. MARC G. TANQUAY, PURDUE UNIVERSITY, LAFAYETTE, INDIANA. MAY 1969. MICROFICHE COPY, STAR N70-12905.
VR-H9-30-000-00202	REMOTE SENSING OF THE ENVIRONMENT. A TWO-WEEK SHORT COURSE. UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA, AUGUST 1968, MICROFICHE COPY, STAR V70-14072 THRU N70-14104.
VR-H9-30-000-00204*	A SELF-CALIBRATING RADIOMETER FOR THE MEASUREMENT OF THERMAL RADIATION MICROWAVES OF THE EARTH'S SURFACE FROM AN AIRCRAFT. JOHANN-PETER HACH, TECHNISCHE HOCHSCHULE, MUNICHEN, WEST GERMANY. 1968. MICROFICHE COPY, STAR N69-23741.
VR-H9-30-000-00216*	THE PACA-70 CAMERA, A DEVELOPMENT FOR A UNIQUE APPROACH TO PANORAMIC PHOTOGRAPHY. JAN GRIFFIOEN, AEROJET DELFT CORP., PLAINVIEW, LONG ISLAND, N.Y. AND VINCENT W. BALL, U.S. ARMY ELECTRONICS COMMAND, FORT MONMOUTH, N.J. PUBLISHED IN PHOTOGRAPHIC SCIENCE AND ENGINEERING, VOL. 12, NO. 1, JAN.-FEB. 1968, PP. 53-56.
VR-H9-3J-998-00219*	SOURCES OF ELECTROMAGNETIC RADIATION. RICHARD R. LEGAULT, UNIVERSITY OF MICHIGAN, WILLOW RUN LAB., ANN ARBOR, MICH. AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD., MARCH 1970. AIAA PAPER NO. 70-287.
VR-H9-30-000-00220*	DATA MANAGEMENT SYSTEM DESIGN. JACK WING, TRW SYSTEMS GROUP, REDONDO BEACH, CALIFORNIA. PUBLISHED IN AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD., MARCH 1970. AIAA PAPER NO. 70-321.
VR-H9-4H-998-00221*	SOME EXPERIMENTAL RESULTS ON EARTH RESOURCES DATA TRANSMISSION SOMEX 1969. S.D. DOREMAN, J.R. CASTALDO, ET AL., HUGHES AIRCRAFT CO., EL SEGUNDO, CALIFORNIA, PRESENTED AT AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD., MARCH 1970, AND AIAA 3RD COMMUNICATIONS SATELLITE SYSTEMS CONFERENCE, LOS ANGELES, CALIF. APRIL 1970, AIAA PAPER NO. 70-328.
VR-H9-30-000-00223	NEAREST NEIGHBOR - A NEW NON-PARAMETRIC TEST USED FOR CLASSIFYING SPECTRAL DATA. STANFORD RSL TECH REPORT 68-3. PAUL SWITZER, ET. AL., STANFORD UNIVERSITY, REMOTE SENSING LABORATORY, STANFORD, CALIFORNIA. DECEMBER 30, 1968. CONTRACT NUMBER NAS 9-7313. STAR V69-31177

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ACCESSION NUMBER	DESCRIPTION
VR-H9-00-000-00225	PRESENTATION OF BASIC MICROWAVE RADIOMETRY. SG P-6668, SPACE-GENERAL, A DIVISION OF AEROCET-GENERAL CORPORATION, EL MONTE, CALIFORNIA. NOVEMBER 2, 1967.
VR-H9-00-000-00228	FINAL REPORT ON SPOT EXPERIMENTS ON SKY BRIGHTESTNESS MEASUREMENTS IN THE VISIBLE SPECTRUM FOR THE STAFF PROGRAM, VOL. 2, (VOL. 1, SEPARATELY BOUND AS A CLASSIFIED DOCUMENT), RE-22, A.C. CONRAD AND R. KEZAR, EXPERIMENTAL ASTRONOMY LABORATORY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS., JANUARY 1966. CONTRACT NUMBER AF04(694)327.
VR-H9-00-000-00232	FREQUENCY DEPENDENCE OF BACKSCATTER FROM ROUGH SURFACES. CRES TECHNICAL REPORT 133-4. JOHN W. ROUSE, JR., UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. SEPTEMBER 1968. CONTRACT NUMBERS NAS 9-7175, GK 1153, AND DAAK02-68-C-0089.
VR-H9-00-000-00233	SPECTRAL BEHAVIOR OF THE MARTIAN SURFACE: COMPOSITIONAL IMPLICATIONS. J.W. SALISBURY AND G.R. HUNT, SPACE PHYSICS LABORATORY, AIR FORCE CAMBRIDGE RESEARCH LABORATORIES, BEDFORD, MASSACHUSETTS,
VR-H9-00-000-00234	EFFECTS OF ATMOSPHERIC PATH ON AIRBORNE MULTISPECTRAL SENSORS. ROBERT HORVATH, JOHN G. BRAITHWAITE, AND FABIAN C. POLCYN, UNIVERSITY OF MICHIGAN, INSTITUTE OF SCIENCE AND TECHNOLOGY, WILLOW RUN LABORATORIES, ANN ARBOR, MICHIGAN. JANUARY 1969. CONTRACT NUMBER NSG 715/23-05-071.
VR-H9-00-000-00235	LUNAR RIVERS. J.E.M. ADLER AND J.W. SALISBURY, SPACE PHYSICS LABORATORY, AIR FORCE CAMBRIDGE RESEARCH LABS., BEDFORD, MASSACHUSETTS.
VR-H9-00-000-00236	REFLECTION PROPERTIES OF VENUS AT 3.8 CM. TECHNICAL REPORT 436, RICHARD P. INGALLS, ET. AL., LINCOLN LABORATORY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, LEXINGTON, MASS., SEPTEMBER 6, 1968. CONTRACT NUMBER AF 19(628)-5167.
VR-H9-00-000-00237	AN ANALYSIS OF AIRBLAST LOADING OF STRUCTURES. ROBERT O. CLARK AND WAYNE M. MC MURTRY, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW MEXICO. JANUARY 1969. AIR FORCE WEAPONS LABORATORY, KIRTLAND AIR FORCE BASE, NEW MEXICO. TECHNICAL REPORT NO. AFWL-TR-68-121. CONTRACT NUMBERS AF29(601)-6002 AND F29601-68-C-0009.
VR-H9-00-000-00240	INTERFERENCE FILTERS FOR MULTISPECTRAL PHOTOGRAPHY. TECHNICAL REPORT 25. C.B. MC KENNEY AND P.V. SLATER, UNIVERSITY OF ARIZONA, OPTICAL SCIENCES CENTER, TUCSON, ARIZONA, AUGUST 1, 1968. CONTRACT NUMBER NAS 9-7081, STAR N69-33735.

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VR-H9-30-000-00242	PANCHROMATIC AND POLYPANCHROMATIC RADAR. CRES' REPRINT'S. R.K. MOORE, J.W. ROUSE, JR., AND W.P. WAITE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, MARCH 1969. CONTRACT NUMBERS NAS 9-7175 AND DAAK02-68-C-0089.
VR-H9-30-000-00243	AERIAL PHOTOGRAPHIC ENERGY MODEL. TECHNICAL REPORT AFAL-TR-68-136. D.R. DAKIN, C.D. BARTKY, ET. AL., PHILCO-FORD CORPORATION, AERONUTRONICS DIVISION, NEWPORT BEACH, CALIF., JUNE 1968, CONTRACT NUMBER F33615-67-C-1359.
VR-H9-30-000-00249	FRAUNHOFER LINE DISCRIMINATOR. FINAL REPORT, ENGINEERING REPORT NO. 9149. PERKIN-ELMER, CORP., OPTICAL GROUP, NORWALK, CONN. I UT. APRIL 15, 1968. CONTRACT NUMBER NAS 9-74 1-68-21919.
VR-H9-30-000-00251	FLIGHT TEST EVALUATION OF AUTONETICS X-BAND MAPPING RADIO SET MODEL R112A. A.H. KAZAKEVICIUS, AUTONETICS DIVISION, NORTH AMERICAN ROCKWELL CORPORATION, ANAHEIM, CALIF. APRIL 27, 1968.
VR-H9-EJ-998-00254	RADAR RETURN FROM THE GROUND. BULLETIN OF ENGINEERING NO. 59. RICHARD K. MOORE, UNIVERSITY OF KANSAS, SCHOOL OF ENGINEERING, LAWRENCE, KANSAS. 1969.
VR-H9-30-000-00257	TELEMETRY TRANSDUCER HANDBOOK, VOLUME 1. WADD TECHNICAL REPORT 61-67, U.S. AIR FORCE, AIR FORCE SYSTEMS COMMAND, WRIGHT-PATTERSON AIR FORCE BASE, OHIO. PREPARED BY RESEARCH DIVISION, RADIATION, INC., ORLANDO, FLORIDA. JULY 1961. CONTRACT NUMBER AF 33(616)-7466.
VR-H9-30-000-00266	BASIC INSTRUCTION IN PHOTO INTERPRETATION FOR CONSERVATIONISTS. JOE O. LAMMI, SCHOOL OF FOREST RESOURCES, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NORTH CAROLINA. PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAHMTRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.
VR-H9-30-000-00269	NEW PHOTOGRAPHIC PROCESSES. JOHN S. ODELL, U.S. ARMY MAP SERVICE, WASHINGTON, D.C., PUBLISHED IN THE AMERICAN SOCIETY OF PHOTOGRAHMTRY, 1968 SEMI-ANNUAL MEETING, SAN ANTONIO, TEXAS. SEPT. 29-OCT. 3.
VR-H9-30-000-00270*	REFLECTIONS ON THIRTY YEARS OF IMAGE EVALUATION. G. BROCK, ITEK CORP., LEXINGTON, MASS. PUBLISHED IN PHOTOGRAPHIC SCIENCE AND ENGINEERING, VOL. 11, NO. 3, SEPT.-OCT. 1967. PP. 356-362.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-EJ-998-00271	PROJECT: APOLLO 9. PRESS KIT. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, D.C. FEBRUARY 23, 1969.
VR-H9-00-000-00272	APOLLO 5 MISSION REPORT. REPORT NO. MSC-PA-R-68-7. APOLLO 5 MISSION EVALUATION TEAM, NASA, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, MARCH 1968.
VR-H9-00-000-00273	PROCESS INSTRUMENTATION DEVELOPMENT. REPORT NO. ORNL-3782, PP. 91-101. OAK RIDGE NATIONAL LABORATORY, OAK RIDGE, TENN.
VR-H9-EJ-998-00275	THE COLOR CHARACTERISTICS OF APOLLO 7 MISSION 70 MM PHOTOGRAPHY. SERG-TN-07. EDWARD YOST, ET. AL., SCIENCE ENGINEERING RESEARCH GROUP, LONG ISLAND UNIVERSITY, BROOKVILLE, NEW YORK, MAY 1969
VR-H9-00-000-00276	HINTS FOR EXPERIMENTERS, NASA SO 65. SERG-TN-05. EDWARD YOST AND SONDRA VENDERCH, LONG ISLAND UNIVERSITY, SCIENCE ENGINEERING GROUP, GREENVALE, NEW YORK.
VR-H9-00-000-00277	USE OF INTERFERENCE PASSBAND FILTERS WITH WIDE-ANGLE LENSES FOR MULTISPECTRAL PHOTOGRAPHY. D.B. MCKENNEY AND P.N. SLATE, UNIVERSITY OF ARIZONA, OPTICAL SCIENCES CENTER, TUCSON, ARIZONA. JUNE 1969. CONTRACT NUMBERS NAS 9-7081 AND FO 4695-67-C-0197.
VR-H9-00-000-00278	IMAGE-STABILIZED CAMERA. TECHNICAL REPORT AFAL-TR-69-81. U.S. AIR FORCE, AIR FORCE AVIONICS LABORATORY, WRIGHT-PATTERSON AIR FORCE BASE, OHIO. W.R. PRUNELLA, MARK SYSTEMS, INC., CUPERTINO, CALIFORNIA. FEBRUARY 17, 1969. CONTRACT NUMBER F33615-67-C-1648.
VR-H9-00-000-00279	PHOTOGRAMMETRIC CALIBRATION OF APOLLO FILM CAMERAS. INTER-AGENCY REPORT: ASTROGEOLOGY 15. W.T. BORGESON AND R.M. BATSON, U.S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, WASHINGTON, D.C. MARCH 1969. CONTRACT NUMBER T-65253G.
VR-H9-00-000-00281	INFRARED AND MULTISPECTRAL SENSING. MARVIN R. HOLTER, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, MARCH 1967. PUBLISHED IN BIOSCIENCE, V. 17, NO. 6, JUNE 1967, P 376-383.
VR-H9-00-000-00282	AN EXPERIMENTAL SELF REPAIRING COMPUTER. TECHNICAL REPORT 32-1356. A. AVIZIENIS, JET PROPULSION LABORATORY, CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIFORNIA. AUGUST 1968. CONTRACT NUMBER NAS 7-100. REPRINTED FROM THE PREPRINT BOOKLET E OF THE 1968 CONGRESS OF THE INTERNATIONAL FEDERATION FOR INFORMATION PROCESSING, EDINBURGH, SCOTLAND.

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VR-H9-30-000-00284	FORTRAN IV PROGRAMS TO DETERMINE SURFACE ROUGHNESS IN TOPOGRAPHY FOR THE CDC 3400 COMPUTER. NORTHWESTERN UNIVERSITY REPORT NO. 10. R.D. HOBSON, DEPARTMENT OF GEOLOGY, NORTHWESTERN UNIVERSITY, EVANSTON ILLINOIS, FEBRUARY 1967. CONTRACT NUMBER NGR-14-007-027, PUBLISHED AS COMPUTER CONTRIBUTION 14, STATE GEOLOGICAL SURVEY, UNIVERSITY OF KANSAS, LAWRENCE. AUGUST 1967. STAR N67-33245.
VR-H9-30-000-00290	IMAGING RADARS ON SPACECRAFT AS A TOOL FOR STUDYING THE EARTH. CRES REPORT 61-6. R.D. ELLERMEIER AND D.S. SIMONETT, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR 17-004-003. A PAPER PRESENTED TO THE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC SENSING OF THE EARTH FROM SATELLITES, MIAMI BEACH, FLORIDA, NOVEMBER 22-24, 1965.
VR-H9-30-000-00291	RADAR SCATTEROMETRY - AN ACTIVE REMOTE SENSING TOOL. CRES REPORT 61-11. R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KAN. CONTRACT NUMBER NSR-17-004-003. A PAPER PRESENTED TO THE FOURTH SYMPOSIUM ON REMOTE SENSING OF THE ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 1966. STAR N66-36083.
VR-H9-30-000-00297	FREQUENCY DEPENDENCE AND SURFACE ROUGHNESS. CRES TECHNICAL REPORT 48-17. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KAN. CONTRACT NUMBERS NSF GP-2259 AND GK-875. PUBLISHED IN PROCEEDINGS OF THE IEEE, V.54, NO.10, OCTOBER 1966, P 1482.
VR-H9-30-000-00298	SCATTERING AND DEPOLARIZATION OF EM WAVES FROM A ROUGH SURFACE. CRES TECHNICAL REPORT 48-13. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND NSG-298. PUBLISHED IN PROCEEDINGS OF THE IEEE, V.54, NO.3, MARCH 1966, P 395-396.
VR-H9-30-000-00299	THE CORRELATION FUNCTION IN KIRCHOFF'S METHOD OF SOLUTION OF SCATTERING OF WAVES FROM STATISTICALLY ROUGH SURFACES. CRES TECHNICAL REPORT 48-14. A.K. FUNG AND R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND NSG-298. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, V.71, NO.12, JUNE 15, 1966, P 2939-2943.

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VR-H9-00-000-00300	NOTES ON BACKSCATTERING AND DEPOLARIZATION BY GENTLY UNDULATING SURFACES. CRES TECHNICAL REPORT 48-12. A.K. FUNG, R.K. MOORE AND B.E. PARKINS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND NSG-298. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, V.70, NO.6, MARCH 15, 1965, P 1559-1562.
VR-H9-00-000-00301	VECTOR SCATTER THEORY APPLIED TO MOON AND VENUS RADAR RETURN. CRES TECHNICAL REPORT 48-16. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSF GP-2259. PUBLISHED IN THE PROCEEDINGS OF THE IEEE, V.54, NO.7, JULY 1966, P 996-998.
VR-H9-00-000-00304	ELECTRONIC PROCESSING FOR SYNTHETIC APERTURE ARRAY RADAR. CRES TECHNICAL MEMORANDUM 61-48, R.K. MOORE AND J.W. ROUSE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. PUBLISHED IN PROCEEDINGS OF THE IEEE, V.55, NO.2, FEBRUARY 1967, P 233-234.
VR-H9-00-000-00305	EFFECTS OF STRUCTURE SIZE ON MOON AND EARTH RADAR RETURNS AT VARIOUS ANGLES. CRES TECHNICAL REPORT 48-11. A.K. FUNG AND R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSG-477 AND NSG-298. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, V.69, NO.6, MARCH 15, 1964, STAR N64-19586.
VR-H9-EU-002-00306	TERRAIN DISCRIMINATION BY RADAR IMAGE POLARIZATION COMPARISON. CRES TECHNICAL MEMORANDUM 61-45. R.K. MOORE AND L.F. DELIWIG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSR-17-004-003. PUBLISHED IN PROCEEDINGS OF THE IEEE V.54, NO.9, SEPTEMBER 1966, P 1213-1214.
VR-H9-00-000-00307	ON DEPOLARIZATION OF ELECTROMAGNETIC WAVES BACKSCATTERED FROM A ROUGH SURFACE. CRES TECHNICAL REPORT 48-15. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND NSG-298. PUBLISHED IN PLANETARY SPACE SCIENCE, V.14, 1966, P 563-568.
VR-H9-00-000-00309	CHARACTER OF WAVE DEPOLARIZATION BY A PERFECTLY CONDUCTING ROUGH SURFACE AND ITS APPLICATION TO EARTH AND MOON EXPERIMENTS. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GK-1153 AND GK-875. PUBLISHED IN PLANETARY SPACE SCIENCE, V.15, 1967, P 1337-1347.

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VR-H9-30-000-00310	MECHANISMS OF POLARIZED AND DEPOLARIZED SCATTERING FROM A ROUGH DIELECTRIC SURFACE. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GK-1153 AND GK-875. PUBLISHED IN JOURNAL OF THE FRANKLIN INSTITUTE, V.285, NO.2, FEBRUARY 1968, P 125-133.
VR-H9-30-000-00311	REFLECTION OF ELECTROMAGNETIC WAVES FROM A TWO DIMENSIONALLY INHOMOGENEOUS MEDIUM. A.K. FUNG AND C.M. TU, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER NSF GK-1153. PUBLISHED IN THE SOUTHWESTERN IEEE CONFERENCE RECORD, 1967, P 12-4-1 TO 12-4-7.
VR-H9-30-000-00312	OMNIDIRECTIONAL SCATTERING OF ACOUSTIC WAVES FROM ROUGH SURFACES OF KNOWN STATISTICS. R.K. MOORE AND B.E. PARKINS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, CONTRACT NUMBERS NSF GP2259 AND NSG-298. PUBLISHED IN JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, V.40, NO.1, JULY 1966, P 170-175.
VR-H9-30-000-00313	THEORY OF CROSS POLARIZED POWER RETURNED FROM A RANDOM SURFACE. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND GK-875. PUBLISHED IN APPLIED SCIENTIFIC RESEARCH, V.18, AUGUST 1967, P 50-60.
VR-H9-30-000-00314	OMNIDIRECTIONAL SCATTERING OF ACOUSTIC WAVES BY ROUGH, IMPERFECTLY REFLECTING SURFACES. B.E. PARKINS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, CONTRACT NUMBERS NSF GP-2259 AND NSG-298. PUBLISHED IN JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA, V.41, NO.1, JULY 1967, P 126-134.
VR-H9-30-000-00315	HIGH FREQUENCY BACKSCATTER FROM THE EARTH MEASURED AT 1000 KM ALTITUDE. R.C. CHIA, A.K. FUNG AND R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NO. NSG-477. PUBLISHED IN RADIO SCIENCE, JOURNAL OF RESEARCH NBS/USNC-URSI, V.69D, NO.4, APRIL 1965, P 641-649.
VR-H9-30-000-00316	A NOTE ON THE WIENER-KHINTCHINE THEOREM FOR AUTOCORRELATION. A.K. FUNG, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS, CONTRACT NUMBERS NSF GK-875 AND GK-1153, PUBLISHED IN PROCEEDINGS OF THE IEEE, V.55, NO.4, APRIL 1967, P 594-595.

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VR-H9-EJ-000-00317	AN AIRBORNE MULTISPECTRAL TELEVISION SYSTEM. C.J. ROBINOVE AND H.E. KIBITZKE, U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION WASHINGTON, D.C., AND PHOENIX, ARIZONA. PUBLISHED IN U.S. GEOLOGICAL SURVEY PROFESSIONAL PAPER 575-D, 1967. STAR N69-30689
VR-H9-EJ-002-00318	RADAR SCATTEROMETER DATA ANALYSIS TECHNIQUES. R.K. MOORE, W.P. WAITE, ET. AL., UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. PUBLISHED IN PROCEEDINGS, FIFTH SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, UNIVERSITY OF MICHIGAN, ANN ARBOR, MICHIGAN, APRIL 16-18, 1966.
VR-H9-DO-000-00319	BISTATIC MEASUREMENTS OF ACOUSTIC WAVES SCATTERED FROM A STATISTICALLY ROUGH KNOWN SURFACE. CRES TECHNICAL REPORT 48-9, W.D. BOLES, A.K. FUNG AND R.K. MOORE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBERS NSF GP-2259 AND GK-1153. PRESENTED AT THE 1966 FALL INTERNATIONAL SCIENTIFIC RADIO UNION MEETING, PALO ALTO, CALIFORNIA.
VR-H9-DO-000-00320	RESEARCH IN RADAR SCATTEROMETRY AND ALTIMETRY. R.K. MOORE AND A.W. BIGGS, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. CONTRACT NUMBER N62306-67-C-0044. INCLUDED IN NINTH MEETING OF THE AD HOC SPACECRAFT OCEANOGRAPHY ADVISORY GROUP, TECHNICAL PAPERS, JANUARY 23-24, 1968, TEXAS A&M UNIVERSITY, COLLEGE STATION, TEXAS.
VR-H9-DO-000-00330	GROUND CURRENT PATTERNS OF THE SOUTHERN CALIFORNIA HVDC SEA ELECTRODE. I.C. BECHTOLD, LA HABRA, CALIFORNIA, AND W.R. SMYTHE, CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, CALIF. PAPER NO. 38, PREPRINT, NATIONAL ASSOCIATION OF CORROSION ENGINEERS, 1968 CONFERENCE, CLEVELAND, OHIO.
VR-H9-DO-000-00349	APOLLO 9 (MARCH 3-13, 1969) PRELIMINARY PLOTTING AND INDEXING REPORT. 70MM COLOR HANDHELD AND MULTISPECTRAL EXPERIMENT PHOTOGRAPHS. MAGAZINE A, FRAMES 2909-3052, MAGAZINE E, FRAMES 3053-3177, MAGAZINE B, FRAMES 3178-3323, MAGAZINE C, FRAMES 3324-3474, MAGAZINE D, FRAMES 3475-3418, MAGAZINE F, FRAMES 3620-3681, MAGAZINE G, FRAMES 3682-3695, S065 MULTISPECTRAL PHOTOGRAPHS, FRAMES 3696-3854.
VR-H9-DO-000-00350	APOLLO 8 (DECEMBER 21, 1968) 70MM PHOTO INDICES. 70MM HASSELBLAD. MAGAZINE A, FRAMES 2581-2650, MAGAZINE B, FRAMES 2383-2534, MAGAZINE C, FRAMES 2659-2827, MAGAZINE D, FRAMES 2044-2214, MAGAZINE E, FRAMES 2215-2382, MAGAZINE F, FRAMES 2535-2580, MAGAZINE G, FRAMES 2828-2908.

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NR-H9-30-000-00351	APOLLO 7 (OCTOBER 11, 1968) 70MM PHOTOGRAPHY IDENTIFICATION LIST. HASSELBLAD 500-C (NASA MODIFIED) NOVEMBER 14, 1968, PRELIMINARY REPORT. MAGAZINE M, FRAMES 1-62. MAGAZINE N, FRAMES 1-61. MAGAZINE O, FRAMES 1-66. MAGAZINE P, FRAMES 1-66. MAGAZINE Q, FRAMES 1-61. MAGAZINE R, FRAMES 1-65. MAGAZINE S, FRAMES 1-144. MAGAZINE U, FRAMES 1-31. MAGAZINE V, FRAMES 1-5.
NR-H9-30-000-00352	APOLLO-SATURN 6 (APRIL 4, 1968) 70MM PHOTOGRAPHIC IDENTIFICATION LIST. MAURER, MODEL 220 G. FRAMES 756-1510.
NR-H9-30-000-00353	GEMINI X11 (NOVEMBER 11-15, 1966) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, SUPERWIDE ANGLE-70MM; J.A. MAURER, 70MM SPACE CAMERA. NOVEMBER 21, 1966 (PRELIMINARY EDITION) MAGAZINE NO.8, FRAMES 1-150. MAGAZINE NO.11, FRAMES 1-147. MAGAZINE NO.10, FRAMES 1-48. MAGAZINE NO.17, FRAMES 1-70.
NR-H9-30-000-00354	GEMINI X1 (SEPTEMBER 12-15, 1966) 70MM PHOTOGRAPHY IDENTIFICATION. J.A. MAURER, 70MM SPACE CAMERA, HASSELBLAD, SUPER WIDE ANGLE, 70MM. SEPTEMBER 19, 1966. MAGAZINE NO.8, FRAMES 1-63. MAGAZINE NO.9, FRAMES 1-67. MAGAZINE NO.10, FRAMES 1-49. MAGAZINE NO.11, FRAMES 1-43. MAGAZINE NO.12, FRAMES 1-16.
NR-H9-30-000-00355	GEMINI X (JULY 18-21, 1966) 70MM PHOTOGRAPHY IDENTIFICATION. J.A. MAURER, 70MM SPACE CAMERA, HASSELBLAD, SUPER WIDE ANGLE, 70MM. AUGUST 5, 1966 (2ND REV.) MAGAZINE NO.5, FRAMES 1-62. MAGAZINE NO.10, FRAMES 1-50. MAGAZINE NO.11, FRAMES 1-47. MAGAZINE NO.12, FRAMES 1-48. MAGAZINE NO.13, FRAMES 1-47. MAGAZINE NO.14, FRAMES 1-49. MAGAZINE NO.28, FRAMES 1-68.
NR-H9-30-000-00356	GEMINI 1X (JUNE 3-6, 1966) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500-C (NASA MODIFIED); HASSELBLAD, SUPER WIDE ANGLE-C (NASA MODIFIED); J.A. MAURER-70 SPACE CAMERA. JUNE 16, 1966 (1ST REV.) MAGAZINE NO. A(SN-7), FRAMES 1-67. MAGAZINE NO. B(SN-8), FRAMES 1-64. MAGAZINE NO. C(SN-9), FRAMES 1-70. MAGAZINE NO. D(SN-2), FRAMES 1-58. MAGAZINE NO. F(SN-011), FRAMES 1-52. MAGAZINE NO. G(SN-012), FRAMES 1-51.
NR-H9-30-000-00357	GEMINI V111 (MARCH 16, 1966) 70MM PHOTOGRAPHY IDENTIFICATION HASSELBLAD, MODEL 500-C (NASA MODIFIED) JUNE 6, 1966 (1ST REV.) MAGAZINE NO.20, FRAMES 1-19.

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VR-H9-00-000-00358	GEMINI V11 (DECEMBER 4-18, 1965) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500-C (NASA MODIFIED) JUNE 15, 1966 (2ND REV.) MAGAZINE NO.22(A), FRAMES 1-52. MAGAZINE NO.17(M), FRAMES 1-59. MAGAZINE NO.24(C), FRAMES 1-61. MAGAZINE NO.25(D), FRAMES 1-62. MAGAZINE NO.13(K), FRAMES 1-42. MAGAZINE NO.23(B), FRAMES 1-60. MAGAZINE NO.30(G), FRAMES 1-62. MAGAZINE NO.26(E), FRAMES 1-31.
VR-H9-00-000-00359	GEMINI V1 (DECEMBER 15-16, 1965) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500 (NASA MODIFIED) JUNE 15, 1966 (2ND REV.) MAGAZINE A, FRAMES 1-62. MAGAZINE B, FRAMES 1-62. MAGAZINE C, FRAMES 1-56. MAGAZINE D, FRAMES 1-12.
VR-H9-00-000-00360	GEMINI V (AUGUST 21-29, 1965) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500 C (NASA MODIFIED) JUNE 15, 1966 (4TH REV.) MAGAZINE NO.1, FRAME 1-62. MAGAZINE NO.2, FRAMES 1-56. MAGAZINE NO.3, FRAMES 1-63. MAGAZINE NO.4, FRAMES 1-69.
VR-H9-00-000-00361	GEMINI IV (JUNE 3-7, 1965) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500 C (NASA MODIFIED) JUNE 15, 1966 (1ST REV.) MAGAZINE NO.16, FRAMES 1-53. MAGAZINE NO.7, FRAMES 1-56. MAGAZINE NO.6, FRAMES 1-12. MAGAZINE NO.8, FRAMES 1-55. MAGAZINE NO.9, FRAMES 1-43.
VR-H9-00-000-00362	GEMINI 111 (MARCH 23, 1965) 70MM PHOTOGRAPHY IDENTIFICATION. HASSELBLAD, MODEL 500 C (NASA MODIFIED) JUNE 15, 1966. (3RD REV.) MAGAZINE NO. 1, FRAMES 1-25.
VR-H9-EU-998-00363	APOLLO 9 MISSION REPORT, REPORT NO. MSC-PA-R-69-2. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, MAY 1969.
VR-H9-00-000-00364	TECHNICAL INFORMATION SUMMARY, APOLLO-9 (AS-504), APOLLO SATURN V SPACE VEHICLE, REPORT NUMBER R-ASTR-S-69-7, GEORGE C. MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, ALABAMA, FEBRUARY 3, 1969.
VR-H9-00-000-00365	APOLLO 8 MISSION REPORT, REPORT NO. MSC-PA-R-69-1, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, FEBRUARY 1969.
VR-H9-00-000-00366	APOLLO VIII PHOTOGRAPHIC PROCESSING STANDARDS, SUMMARY REPORT, REPORT NUMBER CTR-69-4, KENNETH B. NEWMAN, ET, AL., DATA CORPORATION, HOUSTON, TEXAS, MAY 1969. CONTRACT NO. NAS 9-7003.

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VR-H9-30-000-00367	APOLLO 7 MISSION DATA AND INFORMATION LIST, 70MM COLOR PHOTOGRAPHY, MAPPING SCIENCES LABORATORY, NASA-MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, 17 MARCH 1969, CONTRACT NUMBER NAS 9-5191.
VR-H9-30-000-00368	ANALYSIS OF APOLLO AS-501 MISSION EARTH PHOTOGRAPHY, NASA TECHNICAL MEMORANDUM X-50015. COMPILED BY JOHN E. DORNBACH, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. FEBRUARY 1968. STAR N68-36467.
VR-H9-EJ-998-00369	THE STANFORD INFRARED SPECTRA PROCESSING PACKAGE. STANFORD RSL TECH REPORT 69-3. JOHN R. MOORE, STANFORD UNIVERSITY, REMOTE SENSING LABORATORY, STANFORD, CALIFORNIA. MAY 1969. CONTRACT NUMBER NAS 9-7313.
VR-H9-EJ-998-00372	SCIENCE SCREENING REPORT OF THE APOLLO 7 MISSION, 70-MILLIMETER PHOTOGRAPHY AND NASA EARTH RESOURCES AIRCRAFT MISSION 981 PHOTOGRAPHY. NASA TECHNICAL MEMORANDUM TM X-50029. JOHN E. DORNBACH, JOHN L. KALTENBACH, ET. AL., NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. JUNE 1969.
VR-H9-30-000-00378	AERIAL PHOTOGRAPHY, PART 2. CARL H. STRANDBERG, PUBLISHED IN PHOTOGRAPHIC APPLICATIONS IN SCIENCE, TECHNOLOGY AND MEDICINE, WINTER 1968/1969, VOL. 2, NO. 9 P.41-47.
VR-H9-30-000-00379*	NOTES ON CALIBRATION OF CAMERAS AND PHOTOGRAPHS IN PHOTOGRAVIMETRY. B. HALLERT, INSTITUTE FOR PHOTOGRAVIMETRY, ROYAL TECHNICAL UNIVERSITY, STOCKHOLM, SWEDEN. PUBLISHED IN PHOTOGRAVIMETRIA, VOL. 23, NO. 5, SEPT. 1968, PP.163-178.
VR-H9-30-000-00380	AERIAL PHOTOGRAPHY, PART 1. CARL H. STRANDBERG, PUBLISHED IN PHOTOGRAPHIC APPLICATIONS IN SCIENCE, TECHNOLOGY AND MEDICINE. VOL. 2, NO. 8, P.25-31. FALL 1968
VR-H9-30-000-00381	AERIAL PHOTOGRAPHY, PART 3. CARL H. STRANDBERG, PUBLISHED IN PHOTOGRAPHIC APPLICATIONS IN SCIENCE, TECHNOLOGY AND MEDICINE. VOL. 2, NO. 10, P.23-30. MARCH 1969.
VR-H9-30-000-00382*	EARTH RESOURCES DETERMINATION WITH TERRAIN IMAGING RADAR. L.C. GRAHAM, GOODYEAR AEROSPACE CORP., LITCHFIELD PARK, ARIZONA. PUBLISHED IN RESOURCES ROUNDUP, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, REGION SIX CONFERENCE, PHOENIX, ARIZONA, APRIL 1969, TECHNICAL PAPERS, PP.89-95.

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NR-H9-30-000-00384	CLOUD HEIGHT CONTOURING FROM APOLLO 6 PHOTOGRAPHY. BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, VOL. 50, NO. 7, PP. 522-528. VICTOR S. WHITEHEAD, IVAN D. BROWN, AND JOE G. GARCIA, NASA/MSC EARTH RESOURCES DIVISION, HOUSTON, TEXAS, JULY 1969
NR-H9-30-000-00385	MONOCHROMATIC PHOTOGRAPHY IN THE EXTREME ULTRAVIOLET. W.M. BURTON, UNITED KINGDOM ATOMIC ENERGY AUTHORITY, CULHAM LABORATORY, ABINGDON, BERKS. PUBLISHED IN JOURNAL OF SCIENTIFIC INSTRUMENTS, V. 42, JULY 1965, P.477-479.
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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00811*	THE TWO-DIMENSIONAL INVERSE SCATTERING PROBLEM. INTERIM REPORT. WILLIAM A. IMBRIALE AND RAJ MITTRA, ILLINOIS UNIV., ANTENNA LAB., URBANA, ILL. MAY 1969. CONTRACT NUMBER F19628-69-C-0015. MICROFICHE COPY, STAR N69-39560.
VR-H9-30-000-00812*	ON THE EVALUATION OF STRONGLY ENLARGED PHOTOGRAPHS. REPORT NO. ARL-60-275. KARL G. GUDELEY AND MARY D. LUM, AERONAUTICAL RESEARCH LAB., WRIGHT-PATTERSON AFB, OHIO. FEBRUARY 1961. MICROFICHE COPY.
VR-H9-30-000-00813*	AN INVESTIGATION OF TWO FACTORS IN THE INFRARED ENVIRONMENT OF AN ARTIFICIAL SATELLITE. M. DOWNING, ET AL., GENERAL DYNAMICS CORP., SAN DIEGO, CALIFORNIA. APRIL 1960. MICROFICHE COPY.
VR-H9-30-000-00814*	CHANGE DETECTION IN AERIAL PHOTO COVERAGE AS INFLUENCED BY METHODS OF COMPARISON. C.L. KLINGBERG, ET AL., BOEING CO., SEATTLE, WASHINGTON. JAN. 1969. CONTRACT NUMBER DA-49-092-ARO-92. MICROFICHE COPY, STAR N70-11566.
VR-H9-30-000-00815*	PHYSICAL PRINCIPLES AND TECHNICAL MEANS OF AERIAL SURVEYING, CHAPTERS IV AND V. A.I. VINOGRADOVA, ET AL., RUSSIA. TRANSLATION OF FIZICHESKIE OSNOVY, TEKHNICHESKIE SREDSTVA AEROMETOV, LENINGRAD, 1967, PP.72-147. MICROFICHE COPY.
VR-H9-30-000-00818*	PSEUDOCOLOR AS A MEANS OF IMAGE ENHANCEMENT. REPORT NO. P-3988. JOSEPH J. SHEPPARD, JR., ROY H. STRATTON, ET AL., RAND CORP., SANTA MONICA, CALIFORNIA. PRESENTED AT THE ANNUAL MEETING OF THE AMERICAN ACADEMY OF OPTOMETRY, BEVERLY HILLS, CALIFORNIA. DEC. 1968.
VR-H9-30-000-00819*	SENSORES REMOTOS Y SATELITES PARA LA OBSERVACION DE LOS RECURSOS NATURALES DE LA TIERRA. (REMOTE SENSORS AND SATELLITES FOR THE OBSERVATION OF THOSE NATURAL RESOURCES OF THE EARTH) WILLIAM D. CARTER, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT THE 8TH CONGRESS OF ENGINEERS OF VENEZUELA, LA INGENIERIA Y EL DESARROLLO, EN CARACAS, VENEZUELA, MAY 1969. STAR N69-40761.
VR-H9-30-000-00820*	REPORT OF THE MOUNT HALEAKALA OBSERVATORY - A PHOTOGRAPHIC STUDY OF APOLLO 9. REPORT NO. 1386-25-T. WAYNE PARSONS AND JOSEPH HEATH, UNIVERSITY OF MICHIGAN, WILLOW RUN LAB., ANN ARBOR, MICHIGAN. DEC. 1969. CONTRACT NUMBER DAHC 15-68-C-0144.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00821*	ANALYTIC AERIAL TRIANGULATION FOR HIGHWAY LOCATION AND DESIGN. H.M. KARARA AND G.W. MARKS, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS. JULY 1969. ILLINOIS COOPERATIVE HIGHWAY RESEARCH PROGRAM SERIES NO. 100, CIVIL ENGINEERING STUDIES PHOTOGRAHAMETRY SERIES NO. 22.
VR-H9-30-000-00827*	MEASUREMENT OF UPPER-AIR POLLUTION. OPTICAL PHYSICS LAB., AIR FORCE CAMBRIDGE RESEARCH LAB., BEDFORD, MASS. PUBLISHED IN OAR RESEARCH REVIEW, VOL. 9, NO. 1, JAN./FEB. 1970. PP.20-21.
VR-H9-30-000-00828*	OBSERVATIONS OF IONOSPHERIC MOVEMENTS BY THE USE OF A LARGE AERIAL ARRAY. B.H. BRIGGS, DEPT. OF PHYSICS, UNIVERSITY OF ADELAIDE, SOUTH AUSTRALIA. PUBLISHED IN OAR RESEARCH REVIEW, VOL. 9, NO. 1, JAN./FEB. 1970. PP.21-23.
VR-H9-30-000-00829*	ON THE ROLE OF VERTICAL TEMPERATURE AND HUMIDITY PROFILES IN THE DETERMINATION OF THE EARTHS SURFACE TEMPERATURE FROM OUTGOING RADIATION. V.G. BOLDYREV, ET AL., USSR. PUBLISHED IN IZVESTIYA ACADEMY OF SCIENCES, USSR, ATMOSPHERIC AND OCEANIC PHYSICS, VOL. 1, 1965. PP.406-411.
VR-H9-30-000-00830*	CALCULATION OF THE TRANSMISSION FUNCTIONS OF THE ATMOSPHERE IN THE 8-12 MICRON REGION OF THE SPECTRUM FOR THE NORTHERN HEMISPHERE. V.G. BOLDYREV, USSR. PUBLISHED IN IZVESTIYA ACADEMY OF SCIENCES, USSR, ATMOSPHERIC AND OCEANIC PHYSICS, VOL. 1, 1965. PP.401-405.
VR-H9-30-000-00831*	SOME RESULTS OF SURFACE MEASUREMENTS OF THE INFRARED ABSORPTION AND THERMAL RADIATION SPECTRA OF THE ATMOSPHERE. K. YA. KONDRADEV, USSR. PUBLISHED IN IZVESTIYA ACADEMY OF SCIENCES, USSR, ATMOSPHERIC AND OCEANIC PHYSICS, VOL. 1. 1965. PP.215-222.
VR-H9-30-000-00832*	INTERPRETATION OF COLORS BY A TELEVISION SCANNING AND WAVEFORM SYSTEM APPLIED TO GEOGRAPHIC ANALYSIS OF MULTISENSOR IMAGERY. TECHNICAL REPORT NO. 8. WILLARD A. LARSON, WILLIAM H. KUYPER, AND JAMES P. LITTMAN, FLORIDA ATLANTIC UNIVERSITY, DEPT. OF GEOGRAPHY, BOCA RATON, FLORIDA, SEPTEMBER 1969. CONTRACT NO. NOVR 4761(00).
VR-H9-30-000-00833*	A TREATISE ON ANALYTICAL PHOTOGRAHAMETRY. LECTURE NOTES. PHOTOGRAHAMETRY SERIES NO. 10. GIUSEPPE INGHILLERI, INSTITUTE OF TOPOGRAPHY AND GEODESY, POLITECNICO DI TORINO, ITALY. UNIVERSITY OF ILLINOIS: DEPT. OF CIVIL ENGINEERING, URBANA, ILLINOIS. SEPT. 1968.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-3L-000-00834*	THE ATTENUATION AND BACKSCATTERING OF INFRARED RADIATION BY ICE FOG AND WATER FOG. REPORT NO. CRREL-RR-264. MOTOI KUMAI AND JACK D. RUSSELL, ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, N.H. APRIL 1969. STAR N69-37933
VR-H9-30-000-00837*	ERWEITERTE GRUNDLAGEN DER HOLOGRAFIE. (FUNDAMENTALS OF HOLOGRAPHY). FRITZ BESTENREITER, AGFA-GEVAERT AG, LEVERKUSEN, WEST GERMANY. PUBLISHED IN ELEKTRONIK, VOL. 18, HEFT 9, SEPT. 1969. PP.279-284. (IN GERMAN)
VR-H9-30-000-00838*	L'ANALYSEUR D'IMAGES 'CALIFE'. (THE 'CALIFE' IMAGE ANALYZER). Y. NOURISSAT, LABORATOIRE CENTRAL DE L'ARMEMENT, ARQUEIL, VAL-DE-MARNE, FRANCE. PUBLISHED IN L'ONDE ELECTRIQUE, VOL. 49, SEPT. 1969. PP.869-873. (IN FRENCH)
VR-H9-30-000-00839*	AUTOMATION IN PHOTOGRAMMETRIC COMPIRATION. WALTER E. CHAPELLE, ARLISS E. WHITESIDE, ET AL., BENDIX RESEARCH LAB., SOUTHFIELD, MICHIGAN. PUBLISHED IN S.P.I.E. JOURNAL, VOL. 7, JULY 1969. PP.137-149.
VR-H9-30-000-00840*	ACTIVE VIBRATION ISOLATION OF AERIAL CAMERAS. JEROME S. PEPI, BARRY RESEARCH AND DEVELOPMENT, BARRY CONTROLS, WATERTOWN, MASS. PRESENTED AT NEW HORIZONS, INSTITUTE OF ENVIRONMENTAL SCIENCES ANNUAL TECHNICAL MEETING (14TH), ST. LOUIS, MO., APRIL/MAY 1968. PROCEEDINGS, PP.389-399.
VR-H9-30-000-00841*	REMOTE SENSING OF WINDS AND ATMOSPHERIC TURBULENCE BY CROSS-CORRELATION OF PASSIVE OPTICAL SIGNALS. A.J. MONTGOMERY, IIT RESEARCH INSTITUTE, CHICAGO, ILL. PUBLISHED IN SPACE SCIENCE REVIEWS, VOL. 10, NO. 2, NOV. 1969. PP.291-313.
VR-H9-30-000-00842*	THE METEOROLOGY AND VERTICAL DISTRIBUTION OF POLLUTANTS IN AIR POLLUTION EPISODES IN PHILADELPHIA. FRANCIS K. DAVIS, AND HERMAN NEWSTEIN, DREXEL INSTITUTE OF TECHNOLOGY AND WFIL-TV, PHILADELPHIA, PA. PUBLISHED IN ATMOSPHERIC ENVIRONMENT, VOL. 2, NO. 6, NOV. 1968. PP.559-574.
VR-H9-30-000-00844*	SPACE RESEARCH AND A BETTER EARTH. THOMAS O. PAYNE, NASA/HEADQUARTERS, WASHINGTON, D.C. PUBLISHED IN IMPACT OF SCIENCE ON SOCIETY, VOL. 19, NO. 2, APR/JUNE 1969. PP.123-134.
VR-H9-EU-998-00847*	ORBITAL IMAGES FOR EARTH RESOURCES SATELLITE MISSION PLANNING. FRANK J. WOBBER, IBM FEDERAL SYSTEMS DIV. GAITHERSBURG, MARYLAND. TECHNICAL PAPER PRESENTED TO THE EARTH RESOURCES SURVEY SATELLITE SUMMER SCHOOL, CAMBRIDGE, ENGLAND. JULY 1969. STAR N70-11277.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-00-000-00848*	A SURVEY OF SENSORS FOR EARTH RESOURCES SENSING. GLENN A. CATO, TRW SYSTEMS GROUP, REDONDO BEACH, CALIFORNIA. PRE-PRINT OF PAPER FOR AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD. MARCH 1970.
VR-H9-00-000-00867*	ELECTRICAL ANALOG FOR OPTICAL SYSTEMS - PARTS I AND II. STEPHEN W. MIKULI, HADRON, INC., WESTBURY, N.Y. PUBLISHED IN MICROWAVES, VOL. 8, NO. 9, SEPT. 1969, PP.94-103, VOL. 8, NO. 11, NOV. 1969, PP.116-122, AND VOL. 9, NO. 1, JAN. 1970, PP.76-81.
VR-H9-00-000-00869*	EFFECT OF LEAF PUBESCENCE OF GYNURA AURANTIACA ON LIGHT REFLECTANCE. HAROLD N. GAUSMAN, AND RUBEN CARDENAS, U.S. DEPT. OF AGRICULTURE, WESLACO, TEXAS. REPRINT FROM BOTANICAL GAZETTE, VOL. 130, NO. 3, SEPT. 1969, PP.158-162.
VR-H9-00-000-00872*	METEOROLOGICAL RESEARCH SATELLITES - NIMBUS D. R.W. PORTER, GENERAL ELECTRIC CO., VALLEY FORGE, PA. PUBLISHED IN AERONAUTICAL JOURNAL OF THE ROYAL AERONAUTICAL SOCIETY, VOL. 73, NO. 700, APRIL 1969, PP.288-297.
VR-H9-00-000-00887*	AN ANALYSIS OF METHODS FOR CALIBRATING THE 13.3 GHZ SCATTEROMETER. CRES TECHNICAL REPORT 177-1. G.A. BRADLEY, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, INC., ENGINEERING SCIENCE DIV., LAWRENCE, KANSAS, DECEMBER 1969. CONTRACT NUMBER NAS9-10261.
VR-H9-00-000-00891*	HOLOGRAPHIC RECORDING OF FOCUSED IMAGES AND THEIR RECONSTRUCTION IN WHITE LIGHT. I.S. KLIMENTKO, ET AL., USSR. PUBLISHED IN OPTIKA I SPEKTROSKOPIIA, VOL. 26, JUNE 1969, PP.1019-1026. MICROFICHE COPY.
VR-H9-00-000-00893*	LIQUID LASERS. H. SAMELSON, ET AL., GENERAL TELEPHONE AND ELECTRONICS LAB., BAYSIDE, N.Y. PUBLISHED IN NAVAL RESEARCH REVIEWS, VOL. 23, NO. 1, JAN. 1970, PP.10-19.
VR-H9-00-000-00894*	THE ABSORPTION OF LASER RADIATION ALONG ATMOSPHERIC SLANT PATHS. GILBERT N. PLASS, TEXAS A + M UNIVERSITY, COLLEGE STATION, TEXAS. REPRINTED FROM APPLIED OPTICS, VOL. 5, NO. 1, JAN. 1966. PP.149-154.
VR-H9-00-000-00897*	ESTIMATING MAXIMUM WIND SPEED OF TROPICAL STORMS FROM HIGH RESOLUTION INFRARED DATA. REPORT NO. ESSA-TR-NESC-50, L.F. HUBERT, A. TIMCHALK, ET AL., ESSA, WASHINGTON, D.C. MAY 1969. STAR N70-10175.

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- | ACCESSION NUMBER    | DESCRIPTION  |
|---------------------|--|
| VR-H9-30-000-00898* | DEVELOPMENT OF FILTERS FOR THE FAR INFRARED. FINAL REPORT MAY 1964-DEC. 1968. REPORT NO. AFCRL-69-0184. KARL D. MOELLER, FAIRLEIGH DICKINSON UNIVERSITY, TEANECK, NEW JERSEY, MAY 1969. CONTRACT NO. AF 19-(628)-4084.   |
| VR-H9-EJ-994-00901* | GEOLOGIC ANALYSIS OF A MULTISPECTRALLY PROCESSED APOLLO SPACE PHOTOGRAPH. WILLIAM D. CARTER AND RICHARD F. MEYER, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PUBLISHED IN NEW HORIZONS IN COLOR AERIAL PHOTOGRAPHY, ASP/SPSE SEMINAR, NEW YORK CITY, JUNE 1969. STAR N70-10976.  |
| VR-H9-30-000-00902* | BACKSCATTER ECHO FROM LAND AND SEA AT 16 MHZ. A. MIR, UNIVERSITY OF QUEENSLAND, DEPT. OF PHYSICS, ST. LUCIA, BRISBANE, AUSTRALIA. PUBLISHED IN AUSTRALIAN JOURNAL OF PHYSICS, VOL. 22, NO. 6, DEC. 1969, PP. 757-766.  |
| VR-H9-30-000-00926* | VIBRATION ISOLATION OF OPTICAL AERIAL RECONNAISSANCE SENSORS. JEROME S. PEPI, BARRY CONTROLS, WATERTOWN, MASS., OCTOBER 1967. MICROFICHE COPY.   |
| VR-H9-30-000-00929* | METHODICAL APPROACH TO INTERPRETATION OF SPACECRAFT PHOTOGRAPHY OF HUMID AREAS. V.M. DEHAI KULKARNI, K.J. SOMAYYA COLLEGE, BOMBAY, INDIA. PRESENTED AT THE NATO/BRITISH INTERPLANETARY SOCIETY, INTERNATIONAL SUMMER SCHOOL ON EARTH OBSERVATION SATELLITES, CAMBRIDGE, ENGLAND, JULY 1969. STAR N70-11060. MICROFICHE COPY. |
| VR-H9-30-000-00930* | TERRAIN TRAFFICABILITY EVALUATION USING AERIAL PHOTOGRAPHS - A MODIFIED APPROACH. A.R. NATARAJ. INTERNATIONAL INSTITUTE FOR AERIAL SURVEY AND EARTH SCIENCES, DELFT, NETHERLANDS. ITC PUBLICATIONS, SERIES B, NO. 2, JULY 1969. STAR N70-10520. MICROFICHE COPY.   |
| VR-H9-30-000-00935* | AFA-TE AERIAL CAMERA WITH OPTICAL FIDUCIAL MARKS. V.B. ILIN, USSR. TRANSLATED FROM GEODEZIYA I KARTOGRAFIYA, 1968, PP. 68-69. MICROFICHE COPY.   |
| VR-H9-30-000-00936* | AN EXPERIMENT RELATIVE TO THE VERTICAL DISTRIBUTION OF ATMOSPHERIC OZONE. FINAL REPORT, MARCH 1966-MARCH 1969. R.T. BETTINGER AND J. BOHSE, UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND. JAN. 1970. STAR N69-41351. MICROFICHE COPY.  |
| VR-H9-30-000-00937* | DETERMINING ATMOSPHERIC REFRACTION FROM THE DISPERSION OF LIGHT. RUDOLF BREIN, INSTITUT FUR ANGEWANDT GEODASIE, FRANFURT AM MAIN, WEST GERMANY. PUBLISHED IN NACHRICHTEN AUS DEM KARTEN-UND VERMESSUNGSWESEN, REIHE II, DEUTSCHE BEITRAGE IN FREMDEN SPRACHEN, HEFT NR. 23, 1969. STAR N69-40337. MICROFICHE COPY.           |

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ACCESSION NUMBER	DESCRIPTION
VR-H9-30-000-00972*	APOLLO 11 PHOTOGRAPHY INDEX, 70MM AND 16MM. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS.
VR-H9-30-000-00973*	APOLLO 12 PHOTOGRAPHY INDEX, 70MM AND 16MM. TECHNICAL WORKING PAPER, REPORT NO. LEC/HASD NO. TWP-69-044, LOCKHEED ELECTRONICS CO., HOUSTON, TEXAS. DECEMBER 1969. CONTRACT NUMBER NAS 9-5191.
VR-H9-30-000-00974*	APOLLO 9 PHOTOGRAPHIC PLOTTING AND INDEXING REPORT. (INCLUDING AIRCRAFT UNDERFLIGHTS). NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. AND LOCKHEED ELECTRONICS CO., HOUSTON, TEXAS. OCTOBER 1969. CONTRACT NUMBER NAS 9-5191.
VR-H9-3L-093-00977*	AIRBORNE OBSERVATIONS OF CLOUD PARTICLES AND INFRARED FLUX DENSITY (8-14 MICRONS) IN THE ARCTIC. HOWARD JOE WITTE, WASHINGTON UNIVERSITY, SEATTLE, WASHINGTON. NOVEMBER 1968. CONTRACT NO. NONR 477(24). MICROFICHE COPY.
VR-H9-30-000-00978*	TARGET DETECTION AND RECOGNITION ON SINGLE VERSUS DUAL SENSOR DISPLAYS OF INFRARED AND SIDE-LOOKING RADAR. REPORT NO. AMRL-TR-68-127. JAMES L. PORTERFIELD AND ALMON J. BATE, AEROSPACE MEDICAL RESEARCH LAB., WRIGHT-PATTERSON AFB, OHIO FEB. 1969. STAR N69-4C223. MICROFICHE COPY.
VR-H9-30-000-00980*	SMALL SIZE AERIAL CAMERA AFA-MIIGAIK. B.V. RODIONOV, USSR. TRANSLATION OF INSTITUT INZHENEROV GEODEZII, AEROFOTOS YEMKI I KARTOGRAFI. TRUDY (MOSCOW), NO. 45, 1961, PP. 9-11, STAR N69-32950. MICROFICHE COPY.
VR-H9-30-000-01012*	APOLLO 12 MISSION REPORT. REPORT NO. MSC-01855. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. MARCH 1970.
VR-H9-3J-998-01029*	APOLLO 9 MULTISPECTRAL PHOTOGRAPHIC INFORMATION. REPORT NO. NASA TM X-1957, COMPILED BY JOHN L. KALTENBACH, NASA/ MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. APRIL 1970. CONTRACT NUMBER 160-75-02-03-72.
VR-H9-3K-000-01036*	A SYSTEM ANALYSIS OF APPLICATIONS OF EARTH ORBITAL SPACE TECHNOLOGY TO SELECTED CASES IN WATER MANAGEMENT AND AGRICULTURE. ALLAN MUIR, EARTHSAT CORP., WASHINGTON, D.C., PRESENTED AT AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD., MARCH 1970. AIAA PAPER NO. 70-339.

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ACCESSION NUMBER	DESCRIPTION
VR-H9-00-000-01038*	RADAR SCATTEROMETRY. CRES TECHNICAL REPORT 118-15. R.K. MOORE AND W.P. WAITE, UNIVERSITY OF KANSAS, CENTER FOR RESEARCH, ENGINEERING SCIENCE DIVISION, LAWRENCE, KANSAS. JANUARY 1969. CONTRACT NUMBER NAS9-7175.

# **PROGRAM DOCUMENTS**

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**SECTION 09 TECHNICAL REPORTS**

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ACCESSION NUMBER	DESCRIPTION
VR-P9-30-000-00089*	THE ANALYSIS OF EARTH'S RESOURCES USING SPACE PHOTOGRAPHY. ROBERT N. COLWELL, UNIVERSITY OF CALIFORNIA, FORESTRY REMOTE SENSING LAB, BERKELEY, CALIFORNIA. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY, NATIONAL MEETING, NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NEW MEXICO, OCTOBER 1969. PAPER AAS 69-572. MICROFICHE COPY.
VR-P9-30-000-00101*	REMOTE SENSING INVESTIGATIONS FROM SPACECRAFT AND AIRCRAFT. W.T. PECORA, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PRESENTED AT AMERICAN GEOPHYSICAL UNION AND MARINE TECHNOLOGY SOCIETY, SYMPOSIUM, WASHINGTON, D.C., APRIL 1969. MICROFICHE COPY.
VR-P9-30-000-00200*	ATMOSPHERIC ENVIRONMENT - PROBLEMS OF REMOTE SENSING OF THE EARTH'S SURFACE. MORRIS TEPPER, NASA/WASHINGTON, D.C. PRESENTED AT AMERICAN INSTITUTE OF AERONAUTICS AND ASTRO-NAUTICS, AEROSPACE SCIENCES MEETING, 8TH, NEW YORK, N.Y. PAPER NO. 70-193.
VR-P9-30-000-00817*	APOLLO EARTH PHOTOGRAPHS. INDEX MAPS - APOLLO MISSIONS 6, 7, AND 9. NASA/MANNED SPACECRAFT CENTER, HOUSTON, TEXAS, MAY 1970.
VR-P9-EJ-998-00824*	RADAR SCATTEROMETER DATA ANALYSIS. NASA/VSC MISSION 73. SITE 130, SOUTHERN CALIFORNIA. TECHNICAL REPORT RSC-01. JOHN W. ROUSE, JR., TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS, MAY 1969.
VR-P9-30-000-00825*	INFRARED DETECTION OF CONCRETE DETERIORATION. TECHNICAL REPORT RSC-02. R.H. ARNOLD, H.L. FURR, AND J.W. ROUSE, JR., TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS. JULY 1969.
VR-P9-30-000-00826*	DISCUSSION OF THE LEAST SQUARES TECHNIQUE AND DEVELOPMENT - A CURVE FITTING SUBROUTINE. TECHNICAL REPORT RSC-04. T.A. EPPES, TEXAS A + M UNIVERSITY, REMOTE SENSING CENTER, COLLEGE STATION, TEXAS. T.A. EPPES, TEXAS A + M UNIVERSITY REMOTE SENSING CENTER, COLLEGE STATION, TEXAS, SEPT. 1969.
VR-P9-30-000-00836*	BI-DIRECTIONAL SCATTERING CHARACTERISTICS OF HEALTHY GREEN SOYBEAN AND CORN LEAVES IN VIVO. LABS INFORMATION NOTE-033169. HARRY T. BREECE, III AND ROGER A. HOLMES, PURDUE UNIVERSITY, SCHOOL OF ELECTRICAL ENGINEERING, LAFAYETTE, INDIANA. APRIL 1969. CONTRACT NUMBERS 12-14-100-8926(20), 12-14-100-9502(20), AND 12-14-100-9549(20).

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ACCESSION NUMBER	DESCRIPTION
VR-P9-30-000-00849*	AN INTRODUCTION TO PHOTOGRAPHY IN THE EARTH SCIENCES, TECHNICAL NOTE, REPORT NO. DTN-69-11, KEITH R. ERB AND DAVID J. KELCH, DATA CCRP., DAYTON, OHIO. NOV. 1969. CONTRACT NO. N <sub>A</sub> 89-7003.

## **PART II - FUNCTIONAL AND CHECK-OUT DATA**

## **SECTION 10 - INFLIGHT RECORDS**

## INFLIGHT RECORDS

ACCESSION NUMBER	MISSION	FLIGHT SITES	DATE	COMMENTS
VR-10-JK-087-00001	022		087	16-21 APR 66 POSTFLIGHT
VR-10-EJ-998-00002	029		130 040	8-11 AUG 66 PREFLIGHT/POSTFLIGHT
VR-10-JK-040-00003	029	4,5,6	040	11-12 AUG 66 PREFLIGHT/POSTFLIGHT
VR-10-DJ-998-00004	030	1,2,3, 4,5	019 003 020 135	30 AUG 66 PREFLIGHT/POSTFLIGHT THROUGH 1 SEP 66
VR-10-EJ-052-00005	030	6,7	052	3 SEP 66 PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00006	032	1,2,3, 4,5	076 011	19-22 SEP 66 PREFLIGHT/POSTFLIGHT
VR-10-GJ-046-00007	034	1,2	046	11-12 OCT 66 PREFLIGHT/POSTFLIGHT
VR-10-30-000-00008	034	2		12 OCT 66 POSTFLIGHT
VR-10-GH-099-00009	034	3	099	13 OCT 66 PREFLIGHT/POSTFLIGHT
VR-10-GH-099-00010	034	4	099	13 OCT 66 PREFLIGHT/POSTFLIGHT
VR-10-GH-099-00011	034	5	099	14 OCT 66 PREFLIGHT/POSTFLIGHT
VR-10-GH-128-00012	034	7	128	17 OCT 66 PREFLIGHT/POSTFLIGHT
VR-10-IJ-086-00013	038	2	086	23 JAN 67 PREFLIGHT/POSTFLIGHT
VR-10-IJ-086-00014	038	4,5	086	25-27 JAN 67 PREFLIGHT/POSTFLIGHT
VR-10-IJ-086-00015	038	1	086	22 JAN 67
VR-10-GH-099-00016	040	1,2	099	21 FEB 67 PREFLIGHT/POSTFLIGHT
VR-10-GH-099-00017	040	3	099	22 FEB 67 PREFLIGHT
VR-10-GH-998-00018	040	3,4	099 103 104	22-23 FEB 67 POSTFLIGHT
VR-10-GJ-102-00019	040	4	102	23 FEB 67

## INFLIGHT RECORDS

ACCESSION NUMBER	MISSION	FLIGHT SITES	DATE	COMMENTS
VR-10-SH-128-00020	041	1,2,3, 4	128 24 FEB 67	PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00021	043	1,2,3, 4	114 101 029 014 14-16 MAR 67	PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00022	044	1,2	051 052	21 MAR 67 PREFLIGHT/POSTFLIGHT
VR-10-EJ-051-00023	044	3	051	21 MAR 67 PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00024	044	4,5,7	154 002 052	22-24 MAR 67 PREFLIGHT/POSTFLIGHT
VR-10-SH-998-00025	050	1,2,3, 4,5,6	128 099 108 095	12-16 JUN 67 PREFLIGHT/POSTFLIGHT SPECIAL PREFLIGHT
VR-10-FH-032-00026	051	1	032	23 JUN 67
VR-10-FH-032-00027	951	1,2	032	6 JUL 67 PREFLIGHT/POSTFLIGHT
VR-10-GJ-C44-00028	052	1,2	044	29 JUN 67 PREFLIGHT/POSTFLIGHT
VR-10-FH-032-00029	053	1,2	032	6 JUL 67 PREFLIGHT/POSTFLIGHT
VR-10-DJ-C56-00030	055	5	056	17 AUG 67 PREFLIGHT/POSTFLIGHT
VR-10-DJ-056-00031	055	6	056	18 AUG 67 PREFLIGHT/POSTFLIGHT
VR-10-FH-158-00032	057	1	158	18 SEP 67 PREFLIGHT/POSTFLIGHT
VR-10-FH-158-00033	057	2	158	19 SEP 67 PREFLIGHT/POSTFLIGHT
VR-10-SH-146-00034	057	4	146	21 SEP 67 PREFLIGHT/POSTFLIGHT
VR-10-SH-146-00035	057	5	146	21 SEP 67 PREFLIGHT/POSTFLIGHT
VR-10-EJ-051-00036	059	6,7,8	051	20-21 OCT 67 PREFLIGHT/POSTFLIGHT
VR-10-JK-160-00037	060	1,2	160	31 OCT 67 PREFLIGHT/POSTFLIGHT

## INFLIGHT RECORDS

ACCESSION NUMBER	MISSION	FLIGHT SITES	DATE	COMMENTS
VR-10-FJ-129-00038	061	1	129	13 NOV 67 PREFLIGHT/POSTFLIGHT
VR-10-FJ-129-00039	061	2	129	14 NOV 67 PREFLIGHT/POSTFLIGHT
VR-10-GH-141-00040	061	8	141	17 NOV 67 PREFLIGHT/POSTFLIGHT
VR-10-FH-175-00041	061	FCF	175	9 NOV 67 PREFLIGHT/POSTFLIGHT
VR-10-FH-032-00042	062	1,2	032	4 DEC 67 PREFLIGHT/POSTFLIGHT
VR-10-GH-128-00043	066	1	128	5 FEB 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-998-00044	066	2	162 163	6 FEB 68 PREFLIGHT
VR-10-GH-164-00045	066	3	164	7 FEB 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-162-00046	066	6	162	8 FEB 68 PREFLIGHT
VR-10-GH-998-00047	066	7	162 163	8 FEB 68 PREFLIGHT
VR-10-GH-163-00048	066	9	163	9 FEB 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-128-00049	066	11	128	10 FEB 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-145-00050	067	3	145	27 FEB 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-147-00051	067	5	147	28 FEB 68 PREFLIGHT
VR-10-GJ-165-00052	067	7,8	165	1 MAR 68 PREFLIGHT/POSTFLIGHT
VR-10-GH-145-00053	067	9	145	2 MAR 68 PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00054	073	1	130 027 157	21 MAY 68 PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00055	073	2	130 157	22 MAY 68 PREFLIGHT/POSTFLIGHT
VR-10-EJ-998-00056	073	3	157 130	23 MAY 68 PREFLIGHT/POSTFLIGHT
VR-10-EJ-027-00057	073	4	027	23 MAY 68 PREFLIGHT/POSTFLIGHT

## INFLIGHT RECORDS

ACCESSION NUMBER	MISSION	FLIGHT SITES	DATE	COMMENTS
VR-10-EJ-998-00058	073	5 130 157	24 MAY 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-130-00059	073	6 130	24 MAY 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-072-00060	073	7 072	25 MAY 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-072-00061	073	8 072	25 MAY 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-072-00062	073	9 072	26 MAY 68	PREFLIGHT/POSTFLIGHT
VR-10-EH-032-00063	075	3 032	8 JUL 68	PREFLIGHT/POSTFLIGHT CALIBRATION PANEL
VR-10-EJ-998-00064	076	1 075 022	16 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-075-00065	076	2 075	16 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-EJ-075-00066	076	3 075	17 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-OJ-056-00067	076	4 056	18 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-OJ-056-00068	076	5 056	19 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-GJ-044-06-69	077	2 044	30 JUL 68	PREFLIGHT/POSTFLIGHT
VR-10-FK-118-00070	080	5 118	26 SEP 68	PREFLIGHT/POSTFLIGHT
VR-10-GH-998-00071	081	6 146 147	11 OCT 68	PREFLIGHT/POSTFLIGHT
VR-10-FJ-178-00072	084	2 178	19 DEC 68	PREFLIGHT/POSTFLIGHT
VR-10-FJ-178-00073	084	3 178	20 DEC 68	PREFLIGHT/POSTFLIGHT

## **PART III - IMAGERY DATA**

**SECTIONS 20 TO 49 - IMAGERY DATA FILE**

## IMAGERY DATA FILE

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION		INSTRUMENT CONFIGURATION
				STATION	MISSION	
VR-2J-5J-029-00001	2 JUL 65	029	PHOENIX, ARIZONA	12	MULTIBAND	PLUS-X, IR
VR-2J-5J-049-00002	26 SEP 65	049	DAVIS, CALIFORNIA	13	MULTIBAND	PLUS-X, IR
VR-2J-5J-048-00003	26 SEP 65	048	SAN FABLO RESERVOIR, CALIFORNIA	13	MULTIBAND	PLUS-X, IR
VR-2J-5J-C50-00004	26 SEP 65	050	DONNER PASS, CALIFORNIA	13	MULTIBAND	PLUS-X, IR
VR-2J-5K-040-00005	26 SEP 65	040	CASCADE MOUNTAINS, WASHINGTON	13	MULTIBAND	PLUS-X, IR
VR-2J-5J-003-00006	2 OCT 65	003	MONO CHAVERS, CALIFORNIA	13	MULTIBAND	PLUS-X
VR-2J-5J-046-00007	15 NOV 65	046	ASHEVILLE, NORTH CAROLINA	14	MULTIBAND	PLUS-X, IR
VR-2J-5J-047-00008	17 NOV 65	046	ASHEVILLE, NORTH CAROLINA	14	MULTIBAND	PLUS-X, IR
VR-2J-5J-043-00009	17 NOV 65	043	CHICAGO, ILLINOIS	14	MULTIBAND	PLUS-X, IR
VR-2J-5J-043-00010	19 NOV 65	043	CHICAGO, ILLINOIS	14	MULTIBAND	PLUS-X, IR
VR-2J-5J-043-00011	19 NOV 65	043	CHICAGO, ILLINOIS	14	MULTIBAND	PLUS-X, IR
VR-2J-5H-032-00012	22 DEC 65	032	WELASCO, TEXAS	16	MULTIBAND	PLUS-X, IR
VR-2J-5H-032-00013	5 JAN 66	032	WELASCO, TEXAS	17	MULTIBAND	PLUS-X, IR
VR-2J-5J-029-00014	15 FEB 66	029	PHOENIX, ARIZONA	19	MULTIBAND	PLUS-X, IR
VR-2J-4J-086-00015	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	MULTIBAND	PLUS-X, IR
VR-2J-4J-086-00016	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	MULTIBAND	PLUS-X, IR
VR-2J-4J-086-00017	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	MULTIBAND	PLUS-X, IR
VR-2J-JK-087-00018	19 APR 66	087	GOOSE BAY, LABRADOR	22	MULTIBAND	PLUS-X, IR
VR-2J-JK-087-00019	21 APR 66	087	GOOSE BAY, LABRADOR	22	MULTIBAND	PLUS-X
VR-2J-GH-107-00020	9 MAY 66	107	CAPE SABLE SUBMARINE SPRING, FLA.	23	MULTIBAND	PLUS-X, IR
VR-2J-5H-108-00021	9 MAY 66	108	CUTLER AREA SUBMARINE SPRING, FLA.	23	MULTIBAND	PLUS-X, IR
VR-2J-5H-095-00022	9 MAY 66	095	EVERGLADES, FLORIDA	23	MULTIBAND	PLUS-X, IR

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-20-GH-098-00023	9 MAY 66	098	HOMESTEAD, FLORIDA	23	MULTIBAND
VR-20-GH-106-00024	10 MAY 66	106	CLEARWATER/NAPLES SUBMARINE SPRING, FLORIDA.	23	MULTIBAND
VR-20-GH-107-00025	10 MAY 66	107	CAPE SABLE SUBMARINE SPRING, FLA.	23	MULTIBAND
VR-20-GH-000-00026	9 MAY 66	000	MIAMI REEF	23	MULTIBAND
VR-20-GJ-046-00027	7-10 MAY 66	046	ASHEVILLE, NORTH CAROLINA	23	MULTIBAND
VR-20-GH-106-00028	11 MAY 66	106	CLEARWATER-NAPLES SUBMARINE SPRING, FLORIDA.	23	MULTIBAND
VR-20-GH-095-00029	11 MAY 66	095	EVERGLADES, FLORIDA	23	MULTIBAND
VR-20-GH-105-00030	11 MAY 66	105	CRESCENT BEACH SUBMARINE SPRING	23	MULTIBAND
VR-20-GH-108-00031	11 MAY 66	108	CUTLER AREA SUBMARINE SPRING, FLA.	23	MULTIBAND
VR-20-GH-032-00032	14 MAY 66	032	WESLACO, TEXAS	24	MULTIBAND
VR-20-GJ-043-00033	30 JUN 66	043	CHICAGO, ILLINOIS	25	MULTIBAND
VR-20-GJ-019-00034	30 AUG 66	019	SONORA PASS, CALIFORNIA	30	MULTIBAND
VR-20-GJ-020-00035	30 AUG 66	020	BUCKS LAKE, CALIFORNIA	30	MULTIBAND
VR-20-GJ-019-00036	30 AUG 66	019	SONORA PASS, CALIFORNIA	30	MULTIBAND
VR-20-GJ-020-00037	30 AUG 66	020	BUCKS LAKE, CALIFORNIA	30	MULTIBAND
VR-20-GJ-135-00038	1 SEP 66	135	HARVEY VALLEY, CALIFORNIA	30	MULTIBAND
VR-20-GJ-135-00039	1 SEP 66	135	HARVEY VALLEY, CALIFORNIA	30	MULTIBAND
VR-20-GJ-043-00040	15 SEP 66	043	CHICAGO, ILLINOIS	31	MULTIBAND
VR-20-GJ-043-00041	15 SEP 66	043	CHICAGO, ILLINOIS	31	MULTIBAND
VR-20-GJ-011-00042	19-22 SEP 66	011	YELLOWSTONE NATIONAL PARK, WYOMING / MONTANA/IDAHO	32	MULTIBAND
VR-20-GJ-011-00043	19-22 SEP 66	011	YELLOWSTONE NATIONAL PARK, WYOMING / MONTANA/IDAHO	32	MULTIBAND
					INFRARED
					70 NM 1250

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-20-CJ-046-00044	10-14 OCT 66	046 ASHEVILLE, NORTH CAROLINA	34	MULTIBAND	PLUG-X
VR-20-CH-099-00045	10-14 OCT 66	099 FLORIDA STRAITS	34	MULTIBAND	PLUG-X
VR-20-4J-138-00046	10-14 OCT 66	138 GULFSTREAM NORTH	34	MULTIBAND	PLUG-X
VR-20-CJ-046-00047	10-14 OCT 66	046 ASHEVILLE, NORTH CAROLINA	34	MULTIBAND	INFRARED
VR-20-CH-099-00048	10-14 OCT 66	099 FLORIDA STRAITS	34	MULTIBAND	INFRARED
VR-20-4J-138-00049	10-14 OCT 66	138 GULFSTREAM NORTH	34	MULTIBAND	INFRARED
VR-20-PH-032-00050	5 DEC 66	032 WELASCO, TEXAS	35	MULTIBAND	PLUG-X
VR-20-PH-032-00051	5 DEC 66	032 WELASCO, TEXAS	35	MULTIBAND	INFRARED
VR-20-CH-095-00052	9 DEC 66	095 EVERGLADES, FLORIDA	36	MULTIBAND	PLUG-X
VR-20-CH-099-00053	9 DEC 66	099 HOMESTEAD, FLORIDA	36	MULTIBAND	PLUG-X
VR-20-CJ-102-00054	9 DEC 66	102 STATENVILLE/LAKE CITY, FLORIDA, PHOSPHATE	36	MULTIBAND	PLUG-X
VR-20-CH-103-00055	9 DEC 66	103 CRYSTAL RIVER, FLORIDA	36	MULTIBAND	PLUG-X
VR-20-CH-104-00056	9 DEC 66	104 WAUCHALA/TAMPA, FLORIDA	36	MULTIBAND	PLUG-X
VR-20-CH-095-00057	9 DEC 66	095 EVERGLADES, FLORIDA	36	MULTIBAND	INFRARED
VR-20-CH-096-00058	9 DEC 66	098 HOMESTEAD, FLORIDA	36	MULTIBAND	INFRARED
VR-20-CJ-102-00059	9 DEC 66	102 STATENVILLE/LAKE CITY, FLORIDA, PHOSPHATE	36	MULTIBAND	INFRARED
VR-20-CH-103-00060	9 DEC 66	103 CRYSTAL RIVER, FLORIDA	36	MULTIBAND	INFRARED
VR-20-CH-104-00061	9 DEC 66	104 WAUCHALA/TAMPA, FLORIDA	36	MULTIBAND	INFRARED
VR-20-CH-095-00062	9 DEC 66	095 EVERGLADES, FLORIDA	36	MULTIBAND	PLUG-X
VR-20-CH-095-00063	9 DEC 66	095 EVERGLADES, FLORIDA	36	MULTIBAND	INFRARED
VR-20-4J-086-00064	22-25 JAN 67	086 ARGUS ISLE, BERMUDA	36	MULTIBAND	PLUG-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-20-4J-086-000065	22-25 JAN 67	066	ARGUE ISLE, BERMUDA	36	MULTIBAND INFRARED
VR-20-5H-126-000066	12 JUN 67	126	MISSISSIPPI DELTA, LOUISIANA	50	MULTIBAND PLUS-X
VR-20-5H-126-000067	12 JUN 67	126	MISSISSIPPI DELTA, LOUISIANA	50	MULTIBAND INFRARED
VR-20-64-099-000068	16 JUN 67	099	FLORIDA STRAITS	50	MULTIBAND PLUS-X
VR-20-6H-108-000069	16 JUN 67	108	CUTLER AREA SUBMARINE SPRING, FLA.	50	MULTIBAND PLUS-X
VR-20-5H-099-000070	16 JUN 67	099	FLORIDA STRAITS	50	MULTIBAND INFRARED
VR-20-5H-108-000071	16 JUN 67	108	CUTLER AREA SUBMARINE SPRING, FLA.	50	MULTIBAND INFRARED
VR-20-5H-032-000072	23 JUN 67	032	WESLACO, TEXAS	51	MULTIBAND PLUS-X
VR-20-5H-032-000073	23 JUN 67	032	WESLACO, TEXAS	51	MULTIBAND INFRARED
VR-20-5H-032-000074	7 JUL 67	032	WESLACO, TEXAS	951	MULTIBAND PLUS-X
VR-20-5H-032-000075	7 JUL 67	032	WESLACO, TEXAS	951	MULTIBAND 3+4 INFRARED
VR-20-5J-044-000076	29 JUN 67	044	PURDLE, INDIANA	52	MULTIBAND PLUS-X
VR-20-5J-044-000077	29 JUN 67	044	PURDLE, INDIANA	52	MULTIBAND 3+4 INFRARED
VR-20-5J-048-000078	21 AUG 67	048	SAN PABLO RESERVOIR, CALIFORNIA	55	MULTIBAND PLUS-X
VR-20-5K-156-000079	21 AUG 67	156	WIND RIVER, WASHINGTON	55	MULTIBAND PLUS-X
VR-20-5J-048-000080	21 AUG 67	048	SAN PABLO RESERVOIR, CALIFORNIA	55	MULTIBAND 3+4 INFRARED
VR-20-5K-156-000081	21 AUG 67	156	WIND RIVER, WASHINGTON	55	MULTIBAND 3+4 INFRARED
VR-20-5H-146-000082	21 SEP 67	146	ALAFIA AND PEACE RIVERS, FLORIDA	57	MULTIBAND PLUS-X 545I
VR-20-5J-020-000083	17-18 OCT 67	020	BUCKS LAKE, CALIFORNIA	59	MULTIBAND PLUS-X
VR-20-5J-135-000084	17-18 OCT 67	135	HARVEY VALLEY, CALIFORNIA	59	MULTIBAND PLUS-X
VR-20-5K-156-000085	17-18 OCT 67	156	WIND RIVER, WASHINGTON	59	MULTIBAND PLUS-X
VR-20-5J-159-000086	17-18 OCT 67	159	HORSEFLY MOUNTAIN, OREGON	59	MULTIBAND PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-20-CJ-020-00087	17-18 OCT 67	020	BUCKS LAKE CALIFORNIA	59	MULTIBAND 3+W INFRARED 70 NM 750
VR-20-CJ-135-00088	17-18 OCT 67	135	HARVEY VALLEY, CALIFORNIA	59	MULTIBAND 3' INFRARED 70 NM 750
VR-20-CJ-156-00089	17-18 OCT 67	156	WIND RIVER, WASHINGTON	59	MULTIBAND 3+W INFRARED 70 NM 750
VR-20-CJ-154-109C	17-18 OCT 67	159	HORSEFLY MOUNTAIN, OREGON	59	MULTIBAND 3+W INFRARED 70 NM 750
VR-20-CJ-076-00091	14-15 NOV 67	076	GARDEN CITY, KANSAS	61	MULTIBAND PLUS-X 70 NM 900
VR-20-CJ-065-00092	14-15 NOV 67	065	LAWRENCE, KANSAS	61	MULTIBAND PLUS-X 70 NM 900
VR-20-CJ-076-00093	14-15 NOV 67	076	GARDEN CITY, KANSAS	61	MULTIBAND 3+W INFRARED 70 NM 450
VR-20-CJ-085-00094	14-15 NOV 67	085	LAWRENCE, KANSAS	61	MULTIBAND 3+W INFRARED 70 NM 450
VR-20-CJ-076-00095	26 SEP 68	076	GARDEN CITY, KANSAS	60	MULTIBAND 12-5424 70 NM 100
VR-20-CJ-076-00096	26 SEP 68	076	GARDEN CITY, KANSAS	60	MULTIBAND 5401 70 NM 200
VR-20-CH-132-00097	11 OCT 68	132	NEW ORLEANS, LOUISIANA	61	MULTIBAND 5401 70 NM 440
VR-20-CH-132-00098	11 OCT 68	132	NEW ORLEANS, LOUISIANA	61	MULTIBAND 5424 70 NM 220
VR-21-L-166-00001	14 MAR 69	166	ICELAND - SEA STATE	60	RS-14 RAR 2498 5 IN. 125
VR-21-4H-092-00002	21 JUN 69	092	PUERTO RICO	98	RS-14, 3.0-5.5 MICROMETERS 3-5, 3 IN. REMARKS
	ROLL FLIGHT LINE	START STOP	ALTITUDE SCALE		
1	1	24 122420	20,250' NSL	1-151,875	
1	1	13 123645	20,200' NSL	1-151,500	
1	1	23 124820	20,200' NSL	1-151,500	
1	1	8 130320	131320 20,200' NSL	1-151,500	
1	1	9 131730	132120 20,200' NSL	1-151,500	GROUND SPEED FROM 276 TO 300.
1	1	10 132610	132920 20,200' NSL	1-151,500	
1	1	11 133700	134110 20,000' NSL	1-150,000	
1	1	12 134725	135600 20,000' NSL	1-150,000	ALT. CHG.
1	1	13 142950	143425 20,000' NSL	1-150,000	TAPE CHANGE
1	1	14 144005	144935 20,000' NSL	1-150,000	
1	1	14 150030	150615 20,000' NSL	1-150,000	
VR-21-4H-092-00003	23 JUN 69	092	PUERTO RICO	98	RS-14, 3.0-5.5 MICROMETER REMARKS
	ROLL FLIGHT LINE	START STOP	ALTITUDE SCALE		
1	2	110300 110315	20,000' NSL	1-150,000	
1	2	110430 110515	20,000' NSL	1-150,000	
1	2	130720 130900	20,000' NSL	1-150,000	CLOUD COVER TERMINATED LINE
1	2	132130 132710	20,000' NSL	1-150,000	TERMINATED CLOUD COVER
1	2	140530 141550	5,000' NSL	1-37,500	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	ALTITUDE	MIS- SION	INSTRUMENT CONFIGURATION
VR-21-4H-092-00004 24	JUN 69	092 PUERTO RICO	STOP	20,000 MSL	98	RS-14, 3.0-5.5 MICRORAMETER REMARKS
ROLL FLIGHT	1 3	074200 081745 084910 085320 090055 091015	LINE START 084520 085320 085600 090455 091910	21,400 20,000 20,000 20,000 20,000	SCALE 1.150,000	
	1 3			MSL		
VR-21-4H-092-00005 24	JUN 69	092 PUERTO RICO	STOP	5,000 MSL	98	RS-14, 3.0-5.5 MICRORAMETERS REMARKS
ROLL	1 4 5 6	18 17 20 5 6	122210 123040 125315 131725 133410	122545 123430 125455 132510 134550	1.37,500 1.37,500 1.37,500 1.37,500 1.37,500	CAL SOUR CHG. 50 PER CENT CLOUD COVER CHG.TD 20K
	1 4			MSL		
VR-21-4H-092-00006 25	JUN 69	092 PUERTO RICO	STOP	20,000 MSL	98	RS-14, 3.0-5.5 MICRORAMETERS REMARKS
ROLL	1 5 6 7	112645 114030 123005 125850 131715 132345 134715 140400 143235	LINE START 114000 114130 123235 131130 132845 134410 141450 144025	20,000 20,000 20,000 20,000 20,000 20,000 20,000 5,000	1.150,000 1.150,000 1.37,000 1.150,000 1.150,000 1.150,000 1.150,000 1.37,000	START-270KNTS. MOST 3JN AT 290 KNOTS. START-270KNTS. MOST 3JN AT 290 KNOTS. GAIN CHANGE MADE DURING LINE 25-RUN 1 DOG LEG
	1 5			MSL		
VR-21-JG-192-00007 26	JUN 69	192 BARBADOS	STOP	20,000 MSL	98	RS-14, 3.0-5.5 MICRORAMETERS REMARKS
ROLL FLIGHT	1 6 7	5 4 161930 163655	LINE START 162430 164220	20,000 20,000	1.150,000 1.150,000	20 FT. LEADER PULLED PREV. FLIGHT 40 INCHES
	1 6			MSL		
VR-21-JG-192-00008 27	JUN 69	192 BARBADOS	STOP	3,000 MSL	98	RS-14, 3.5 MICRORAMETERS REMARKS
ROLL FLIGHT	1 7	134610 134670 134750 142815 145945 150700 151415 154310 155130	LINE START 134545 134700 134615 143120 145945 ABORT 151320 153930 155130	3,000 3,000 3,000 3,000 3,000 3,000 3,000 15,000 15,000	1.22,500 1.22,500 1.22,500 1.22,500 1.22,500 1.22,500 1.22,500 1.112,500 1.112,500	PRT-5 41.6 DEGREE PRT-5 41.2 DEGREE PRT-40.8 DEGREE - 40 - 5 TAPE NOT ON ABORTED. START MARK INDICATES SPEED CHNG 153720. SHARP ROLL. SHARP TURN. 1.150,000 1.150,000 1.150,000 1.150,000 1.150,000
	1 7			MSL		

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-21-EK-039-00009 ROLL 27	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,45,750	CHANNEL 2	
		1 164445 164900 6,500 MSL	1,45,750	CHANNEL 2	
		2 165540 165935 6,500 MSL	1,45,750	CHANNEL 2	
		2 171520 171820 6,500 MSL	1,45,750	FILM 2°	
		1 193530 193900 6,500 MSL	1,45,750	MAP NO. NL 12-12	
VR-21-EK-039-00010 ROLL 28	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,37,500	CHANNEL 2	
		2 110840 111150 5,000 MSL	1,37,500	MAP NO. NL 12-12	
		1 111650 5,000 MSL	1,37,500		
VR-21-EK-197-00011 ROLL 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,38,000	PRT-3-34.25 AND PRT-3-34.00	
		1 100200 6,000 MSL	1,38,000	PRT-3-34.00 AND PRT-3-33.25	
		2 100240 6,000 MSL	1,26,250	CHANNEL 2	
		1 100335 110230 3,500 MSL	1,26,250	CHANNEL 2	
		1 110230 112440 3,500 MSL	1,26,250	MAP NO. NL 15-2	
VR-21-EK-197-00012 ROLL 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,26,250	HAZY, GROUND, FNG.	
		1 134930 140000 3,500 MSL	1,26,250	MAP NO. NL 15-2	
VR-21-EK-197-00013 ROLL 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,26,500	CHANNEL 2	
		1 169630 170615 3,500 MSL	1,15,000	CHANNEL 2	
		1 171240 172250 2,000 MSL	1,75,000	HAZE VERY BAD. CHANNEL 2.	
		1 171220 173940 10,000 MSL	1,150,000	HAZE VERY BAD. CHANNEL 2.	
		1 173940 180405 20,000 MSL	1,75,000	SPEC. RUN FOR SLR.	
		1 180405 183145 10,000 MSL	1,26,500	MAP NO. NL 15-2	
		1 183145 193430 3,500 MSL	1,26,500		
VR-21-EK-197-00014 ROLL 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,26,250	CHANNEL 2	
		1 224820 225730 3,500 MSL	1,26,250	MAP NO. NL 15-2	
VR-21-EU-186-00015 ROLL 27	AUG 69	106 CLARKS FORK	SCALE 102	RS-14, 2498, 8-14 MICROMETERS	REMARKS
		LINE START STOP ALTITUDE	1,45,750	CHANNEL 2	
		1 172300 172620 6,500 MSL	1,45,750	CHANNEL 2	
		2 173133 173415 6,500 MSL	1,45,750	CHANNEL 2	
		3 174350 174700 6,500 MSL	1,45,750	CHANNEL 2	
		4 175640 175855 6,500 MSL	1,45,750	CHECK FOR DARK SLIDE REMOVAL. CHANNEL 2.	
		5 180700 180945 6,500 MSL	1,45,750		
		1 191615 192150 6,500 MSL	1,45,750		
		4 192615 192750 6,500 MSL	1,45,750		

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	REMARKS
NR-21-EJ-186-00016	AUG 69	186 CLARKS FORK	STOP	SCALE 1.37, 500	RS-14, 2498, 0-14 MICRONEETERS
ROLL	FLIGHT	LINE START	ALTITUDE 5,000 MSL	SCALE 1.37, 500	REMARKS
2	6	112425	112810	1.37, 500	
2	3	113225	113600	1.37, 500	
2	1	114325	114705	1.37, 500	
2	4	115025	115350	1.37, 500	
2	5	15050	120140	1.37, 500	MAP NO. NL 12-1?
NR-21-EJ-011-00017	AUG 69	011 YELLOWSTONE NATIONAL PARK	STOP	SCALE 1.37, 500	RS-14, 2498, 0-14 MICRONEETERS
ROLL	FLIGHT	LINE START	ALTITUDE 5,000 MSL	SCALE 1.37, 500	REMARKS
1	5	182620	182850	1.37, 500	NOT REQUIRED RAN CHANNEL 2.
1	12	182935	183105	1.37, 500	NOT REQUIRED RAN CHANNEL 2.
1	18	183730	183905	1.37, 500	NOT REQUIRED RAN CHANNEL 2.
1	10	185030	185150	1.37, 500	NOT REQUIRED RAN CHANNEL 2.
1	11	185625	185805	1.37, 500	NOT REQUIRED RAN CHANNEL 2.
NR-21-EJ-011-00018	AUG 69	011 YELLOWSTONE NATIONAL PARK	STOP	SCALE 1.37, 500	RS-14, 2498, 0-14 MICRONEETERS
ROLL	FLIGHT	LINE START	ALTITUDE 5,000 MSL	SCALE 1.37, 500	REMARKS
2	6	121725	121930	1.37, 500	
2	11	122225	122530	1.37, 500	
2	9	123315	123530	1.37, 500	
2	6	9	124140	124420	1.18, 750
2	6	12	124725	124900	1.37, 500
2	6	13	125005	125155	1.37, 500
NR-21-EJ-076-00019	SEP 69	076 GARDEN CITY	STOP	SCALE 1.150, 000	RS-14, 2498, 0-14 MICRONEETERS
ROLL	FLIGHT	LINE START	ALTITUDE 20,000 MSL	SCALE 1.150, 000	REMARKS
2	10	172440	173120	1.150, 000	WAS NOT SCHEDULED. CHANNEL 2.
2	15	173625	174240	1.150, 000	NOT SCHEDULED, CHANNEL 2.
2	13	175000	175645	1.150, 000	CHANNEL 2
2	14	180020	180700	1.150, 000	NOT SCHEDULED, CHANNEL 2
2	11	181030	181703	1.150, 000	CHANNEL 2
2	13	182125	182800	1.150, 000	CHANNEL 2
2	12	183200	183930	1.150, 000	NOT REQUIRED, CHANNEL 2
2	17	194915	195503	1.22, 500	OPTIC FOGGED
2	18	195900	200619	1.22, 500	
2	19	201210	201820	1.22, 500	
2	10	20260	203410	1.22, 500	CHANNEL 2.
2	9	204820	205700	1.22, 500	CHANNEL 2
2	18	211430	211220	1.22, 500	MAP NOS. NJ 14-4 + NJ 14-7
2	19	212610	213720	1.22, 500	
NR-22-EJ-000 SAN CLEMENTE	JULY 70	ROLL	FLIGHT	PLUSS	7

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-JK-040-00002	23 SEP 65	040 CASCADe MOUNTAINS, WASHINGTON	13	RC-8	EXTACHROME 9-1/2 IN. 40
VR-22-JK-040-00003	23 SEP 65	040 CASCADe MOUNTAINS, WASHINGTON	13	RC-8	EXTACHROME, IR 9-1/2 IN. 40
VR-22-JJ-007-00004	24 SEP 65	007 COAST RANGE, OREGON/WASHINGTON	13	RC-8	P-US-X 9-1/2 IN. 160
VR-22-JJ-007-00005	24 SEP 65	007 COAST RANGE, OREGON/WASHINGTON	13	RC-8	P-US-X 9-1/2 IN. 40
VR-22-EJ-003-00006	29 SEP 65	003 MONO CRATERS, CALIFORNIA	13	RC-8	EXTACHROME 9-1/2 IN. 30
VR-22-EJ-003-00007	30 SEP 65	003 MONO CRATERS, CALIFORNIA	13	RC-8	P-US-X 9-1/2 IN. 100
VR-22-EJ-003-00008	30 SEP 65	003 MONO CRATERS, CALIFORNIA	13	RC-8	EXTACHROME IR 9-1/2 IN. 60
VR-22-EJ-003-00009	30 SEP 65	003 MONO CRATERS, CALIFORNIA	13	RC-8	EXTACHROME IR 9-1/2 IN. 75
VR-22-EJ-003-00010	1 OCT 65	003 MONO CRATERS, CALIFORNIA	13	RC-8	P-US-X 9-1/2 IN. 150
VR-22-GJ-046-00011	15 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME 9-1/2 IN. 75
VR-22-GJ-046-00012	15 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	CJP, POS. 9-1/2 IN. 60
VR-22-GJ-046-00013	17 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME, IR 9-1/2 IN. 60
VR-22-GJ-046-00014	17 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-046-00015	17 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-046-00016	17 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME 9-1/2 IN. 75
VR-22-GJ-046-00017	17 NOV 65	046 ASHEVILLE, NORTH CAROLINA	14	RC-8	EXTACHROME 9-1/2 IN. 60
VR-22-GJ-046-00018	19 NOV 65	043 CHICAGO, ILLINOIS	14	RC-8	TRI-X 9-1/2 IN. 75
VR-22-GJ-043-00019	19 NOV 65	043 CHICAGO, ILLINOIS	14	RC-8	EXTACHROME 9-1/2 IN. 150
VR-22-GJ-043-00020	19 NOV 65	043 CHICAGO, ILLINOIS	14	RC-8	EXTACHROME 9-1/2 IN. 150
VR-22-GJ-043-00021	11 NOV 65	043 CHICAGO, ILLINOIS	14	RC-8	EXTACHROME, IR 9-1/2 IN. 150
VR-22-EH-031-00022	20 DEC 65	031 WILLCOX DRY LAKE, ARIZONA	15	RC-8	TRI-X 9-1/2 IN. 60
VR-22-EH-032-00023	22 DEC 65	032 MESLACO, TEXAS	16	RC-8	EXTACHROME, IR 9-1/2 IN. 75

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					NO.	NAME
NR-22-FH-032-00024	22 DEC 65	032	WESLACO, TEXAS	16	RC-8	EXTACHROME, IR
NR-22-FH-032-00025	5 JAN 66	032	WESLACO, TEXAS	17	RC-8	EXTACHROME, IR
NR-22-FH-032-00026	5 JAN 66	032	WESLACO, TEXAS	17	RC-8	EXTACHROME, IR
NR-22-EJ-028-00027	8 JAN 66	028	WINSLOW (METEOR CRATER), ARIZONA	18	RC-8	EXTACHROME, IR
NR-22-EJ-051-00028	8 JAN 66	051	MESOLITE SEDIMENTARY, ARIZONA	18	RC-8	EXTACHROME, IR
NR-22-EJ-051-00029	9 JAN 66	051	MESOLITE SEDIMENTARY, ARIZONA	18	RC-4	EXTACHROME
NR-22-EJ-015-00030	9 JAN 66	015	TWIN BUTTES (PIMA DISTRICT), ARIZ.	18	RC-8	EXTACHROME, IR
NR-22-EJ-015-00031	10 JAN 66	015	TWIN BUTTES (PIMA DISTRICT), ARIZ.	18	RC-8	EXTACHROME
NR-22-EJ-027-00032	11 JAN 66	027	SALTEN SEA, CALIFORNIA	18	RC-8	TRI-X
NR-22-EJ-027-00033	12 JAN 66	027	SALTEN SEA, CALIFORNIA	18	RC-8	EXTACHROME, IR
NR-22-EJ-027-00034	12 JAN 66	027	SALTEN SEA, CALIFORNIA	18	RC-8	9-1/2 IN.
NR-22-EJ-029-00035	15 FEB 66	029	PHOENIX, ARIZONA	19	RC-8	EXTACHROME
NR-22-EJ-029-00036	15 FEB 66	029	PHOENIX, ARIZONA	19	RC-8	EXTACHROME
NR-22-EJ-029-00037	15 FEB 66	029	PHOENIX, ARIZONA	19	RC-8	EXTACHROME, IR
NR-22-EJ-029-00037	15 FEB 66	029	PHOENIX, ARIZONA	19	RC-8	9-1/2 IN.
NR-22-4J-086-0007	9 MAR 66	086	ARGUS ISLE, BERMUDA	20	RC-8	EXTACHROME, IR
NR-22-4J-086-0007	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	RC-8	EXTACHROME, IR
NR-22-4J-086-CC	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	RC-8	EXTACHROME, IR
NR-22-4J-086-CC	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	RC-8	EXTACHROME, IR
NR-22-4J-086-0043	10 MAR 66	086	ARGUS ISLE, BERMUDA	20	RC-8	EXTACHROME, IR
NR-22-2J-012-00044	3 APR 66	012	CRATER LAKE, OREGON	21	RC-8	EXTACHROME
NR-22-JK-040-00045	4 APR 66	040	CASCADE MOUNTAINS, WASHINGTON	21	RC-8	EXTACHROME

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-2K-040-00046	4 APR 66	040 CASCADE MOUNTAIN, WASHINGTON	21	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3J-00--00047	4 APR 66	007 COAST RANGE, OREGON/WASHINGTON	21	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3J-012-00048	4 APR 66	012 CRATER LAKE, OREGON	21	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3J-002-00049	5 APR 66	102 PISCAN CRATER, CALIFORNIA	21	RC-8	EXTACHROME, IR 9-1/2 IN.
VR-22-3J-003-00050	5 APR 66	003 MONO CRATERS, CALIFORNIA	21	RC-8	PLUS-X 9-1/2 IN.
VR-22-3J-002-00051	5 APR 66	002 PISCAN CRATER, CALIFORNIA	21	RC-8	PLUS-X 9-1/2 IN. 180
VR-22-3J-007-00052	16-20 APR 66	087 GOOSE BAY, LABRADOR	22	RC-8	PLUS-X 9-1/2 IN. 1260
VR-22-6J-041-00053	7 MAY 66	046 ASHEVILLE, NORTH CAROLINA	23	RC-8	TRI-X 9-1/2 IN. 50
VR-22-6J-046-00054	7 MAY 66	046 ASHEVILLE, NORTH CAROLINA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-6J-046-00055	7 MAY 66	046 ASHEVILLE, NORTH CAROLINA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-6J-046-00056	7 MAY 66	046 ASHEVILLE, NORTH CAROLINA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-6J-046-00057	7 MAY 66	046 ASHEVILLE, NORTH CAROLINA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-CH-147-00058	8 MAY 66	147 LAKES/TAMPA, FLORIDA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-CH-000-00059	9 MAY 66	000 MIAMI REEF	23	RC-8	EXTACHROME, IR 9-1/2 IN. 30
VR-22-04-107-00060	9-10 MAY 66	107 CAPE SABLE SUBMARINE SPRING, FLA.	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-CH-108-00061	9-10 MAY 66	108 CUTLER AREA SUBMARINE SPRING, FLA.	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-CH-095-00062	9-10 MAY 66	095 EVERGLADES, FLORIDA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-CH-098-00063	9-10 MAY 66	098 HOMESTEAD, FLORIDA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3H-106-00064	10 MAY 66	106 CLEARWATER/NAPLES SUBMARINE SPRING, FLORIDA.	23	RJ-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3H-095-00065	10 MAY 66	095 EVERGLADES, FLORIDA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75
VR-22-3H-106-00066	10 MAY 66	106 CLEARWATER/NAPLES SUBMARINE SPRING, FLORIDA	23	RC-8	EXTACHROME, IR 9-1/2 IN. 75

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-CH-107-00067	10 MAY 66	157 CAPE SABLE SUBMARINE SPRING, FLA.	23	RC-6	EXTACHROME 9-1/2 IN. 75
VR-22-CH-095-00068	11 MAY 66	095 EVERGLADES, FLORIDA	23	RC-6	EXTACHROME 9-1/2 IN. 75
VR-22-CH-105-00069	11 MAY 66	105 CRESCENT SPRING SUBMARINE SPRING, FLORIDA.	23	RC-6	EXTACHROME 9-1/2 IN. 75
VR-22- CJ-043-00070	30 JUN 66	043 CHICAGO, ILLINOIS	25	RC-6	EXTACHROME 9-1/2 IN. 500
VR-22- CJ-088-00071	30 JUN 66	088 MISSISSIPPI VALLEY, MISSOURI/TENN.	25	RC-6	EXTACHROME 9-1/2 IN. 500
VR-22- CJ-043-00072	30 JUN 66	043 CHICAGO, ILLINOIS	25	RC-6	EXTACHROME, IR 9-1/2 IN. 500
VR-22- C -088-00073	30 JUN 66	088 MISSISSIPPI VALLEY, MISSOURI/TENN.	25	RC-6	EXTACHROME, IR 9-1/2 IN. 500
VR-22- CJ-043-00074	1 JUL 66	043 CHICAGO, ILLINOIS	25	RC-6	EXTACHROME, IR 9-1/2 IN. 500
VR-22- CJ-088-00075	1 JUL 66	088 MISSISSIPPI VALLEY, MISSOURI/TENN.	25	RC-6	PLUG-X 9-1/2 IN. 450
VR-22- CH-128-00076	6 JUL 66	128 MISSISSIPPI DELTA, LOUISIANA	26	RC-6	PLUG-X 9-1/2 IN. 450
VR-22- CH-032-00077	8 JUL 66	032 WESLACO, TEXAS	27	RC-6	EXTACHROME, IR 9-1/2 IN. 225
VR-22- CJ-114-00078	26 JUL 66	114 WHITE SANDS, NEW MEXICO	28	RC-6	EXTACHROME 9-1/2 IN. 45
VR-22- CJ-024-00079	28 JUL 66	024 SAN ANDREAS FAULT, CALIFORNIA	28	RC-6	PLUG-X 9-1/2 IN. 75
VR-22- CJ-130-00080	8 AUG 66	130 SOUTHERN CALIFORNIA	29	RC-6	EXTACHROME, IR 9-1/2 IN. 135
VR-22- CK-040-00081	11 AUG 66	040 CASCADE MOUNTAINS, WASHINGTON	29	RC-6	PLUG-X 9-1/2 IN. 75
VR-22- CJ-019-00082	30 AUG 66	019 SONORA PASS, CALIFORNIA	30	RC-6	PLUG-X 9-1/2 IN. 230
VR-22- CJ-020-00083	1 SEP 66	020 BUCKS LAKE, CALIFORNIA	30	RC-6	EXTACHROME 9-1/2 IN. 75
VR-22- CJ-003-00084	1 SEP 66	003 MONO CRATERS, CALIFORNIA	30	RC-6	EXTACHROME, IR 9-1/2 IN. 375
VR-22- CJ-020-00085	1 SEP 66	020 BUCKS LAKE, CALIFORNIA	30	RC-6	EXTACHROME, IR 9-1/2 IN. 375
VR-22- CJ-052-00087	3 SEP 66	052 NEVADA AEC	30	RC-6	EXTACHROME, IR 9-1/2 IN. 75
VR-22- CJ-043-00088	15 SEP 66	043 CHICAGO, ILLINOIS	31	RC-6	EXTACHROME, IR 9-1/2 IN. 150
VR-22- CJ-011-00089	19-22 SEP 66	011 YELLOWSTONE NATIONAL PARK, WYOMING/ MONTANA/IDAHO	32	RC-6	EXTACHROME 9-1/2 IN. 150

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-3J-011-00090	19-22 SEP 66	011	YELLOWSTONE NATIONAL PARK, WYOMING/ MONTANA/IDAHO	32	RC-8
VR-22-3J-114-00091	3 OCT 66	114	WHITE SANDS, NEW MEXICO	33	PLUS-X
VR-22-3J-046-00092	11-14 OCT 66	046	ASHEVILLE, NORTH CAROLINA	34	EKTACHROME
VR-22-GH-099-00093	11-14 OCT 66	099	FLORIDA STRAITS	34	EKTACHROME
VR-22-3J-138-00094	11-14 OCT 66	138	GULFSTREAM NORTH	34	EKTACHROME
VR-22-GJ-046-00095	11 OCT 66	046	ASHEVILLE, NORTH CAROLINA	34	EKTACHROME
VR-22-GH-128-00096	17 OCT 66	128	"MISSISSIPPI DELTA, LOUISIANA	34	PLUS-X
VR-22-FH-032-00097	5 DEC 66	032	WESLACO, TEXAS	35	EKTACHROME
VR-22-GH-095-00098	7-8 DEC 66	095	EVERGLADES, FLORIDA	36	EKTACHROME
VR-22-GH-098-00099	6-7 DEC 66	098	HOMESTEAD, FLORIDA	36	EKTACHROME
VR-22-GJ-102-00100	6-7 DEC 66	102	STATENVILLE/LAKE CITY, FLORIDA, PHOSPHATE.	36	EKTACHROME
VR-22-GH-103-00101	6-7 DEC 66	103	CRYSTAL RIVER, FLORIDA	36	EKTACHROME
VR-22-GH-104-00102	6-7 DEC 66	104	WAUCHALA/TAMPA, FLORIDA	36	EKTACHROME
VR-22-GH-128-00103	14 DEC 66	128	MISSISSIPPI DELTA, LOUISIANA	37	EKTACHROME
VR-22-4J-066-00104	22-25 JAN 67	066	ARGUS ISLE, BERMUDA	38	EKTACHROME
VR-22-3J-114-00105	4 FEB 67	114	WHITE SANDS, NEW MEXICO	39	EKTACHROME
VR-22-GH-099-00106	21-28 FEB 67	099	FLORIDA STRAITS	40	EKTACHROME
VR-22-GH-132-00107	24 FEB 67	132	NEW ORLEANS, LOUISIANA	40	EKTACHROME
VR-22-GH-128-00108	24 FEB 67	128	MISSISSIPPI DELTA, LOUISIANA	41	EKTACHROME
VR-22-GH-128-00109	24 FEB 67	128	MISSISSIPPI DELTA, LOUISIANA	41	EKTACHROME
VR-22-3J-007-00110	7 MAR 67	007	COAST RANGE, OREGON/WASHINGTON	42	PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
VR-22-EJ-130-00111	6 MAR 67	130 SOUTHERN CALIFORNIA		42 RC-8	EKTACHROME, IR	9-1/2 IN. 60
VR-22-EJ-130-00112	6 MAR 67	131 SOUTHERN CALIFORNIA		42 RC-8	AERO EKTACHROME	9-1/2 IN. 50
VR-22-EJ-101-00113	16 MAR 67	101 SAN FRANCISCO VOLCANIC FIELDS, ARIZ.		43 RC-8	AERO EKTACHROME	9-1/2 IN. 75
VR-22-EJ-114-00114	15 MAR 67	114 WHITE SANDS, NEW MEXICO		43 RC-8	PLUS-X	9-1/2 IN. 75
VR-22-EJ-114-00115	15 MAR 67	114 WHITE SANDS, NEW MEXICO		43 RC-8	AERO EKTACHROME	9-1/2 IN. 75
VR-22-EJ-014-00116	15 MAR 67	014 LITTLE ORAGOON MOUNTAINS, ARIZONA		43 RC-8	EKTACHROME, IR	9-1/2 IN. 75
VR-22-EJ-029-00117	15 MAR 67	029 PHOENIX, ARIZONA		43 RC-8	EKTACHROME, IR	9-1/2 IN. 75
VR-22-EJ-051-00118	21 MAR 67	051 MESQUITE SEDIMENTARY, ARIZONA		44 RC-8	EKTACHROME, IR	9-1/2 IN. 125
VR-22-EJ-154-00119	22 MAR 67	154 AMBOY CRATER, CALIFORNIA		44 RC-8	EKTACHROME, IR	9-1/2 IN. 15
VR-22-EJ-002-00120	22 MAR 67	002 PISGAH CRATER, CALIFORNIA		44 RC-8	EKTACHROME, IR	9-1/2 IN. 225
VR-22-EJ-052-00121	23 MAR 67	052 NEVADA AEC		44 RC-8	PLUS-X	9-1/2 IN. 250
VR-22-EJ-052-00122	23 MAR 67	052 NEVADA AEC		44 RC-8	EKTACHROME, IR	9-1/2 IN. 150
VR-22-EL-093-00123	11-16 MAY 67	093 PT. BARROW, ALASKA		47 RC-8	EKTACHROME, IR	9-1/2 IN. 1125
VR-22-CL-143-00124	11-16 MAY 67	143 COOK INLET, ALASKA		47 RC-8	EKTACHROME, IR	9-1/2 IN. 1125
VR-22-GL-143-00125	11-13 MAY 67	143 COOK INLET, ALASKA		47 RC-8	AERO EKTACHROME	9-1/2 IN. 200
VR-22-GL-093-00126	11-16 MAY 67	093 PT. BARROW, ALASKA		47 RC-8	PLUS-X	9-1/2 IN. 1260
VR-22-CH-099-00127	9 JUN 67	099 FLORIDA STRAITS		49 RC-8	EKTACHROME, IR	9-1/2 IN. 110
VR-22-CH-195-00128	9 JUN 67	195 GULF COAST FISHERIES		49 RC-8	EKTACHROME, IR	9-1/2 IN. 110
VR-22-CH-099-00129	9 JUN 67	099 FLORIDA STRAITS		49 RC-8	AERO EKTACHROME	9-1/2 IN. 200
VR-22-CH-195-00130	9 JUN 67	195 GULF COAST FISHERIES		49 RC-8	AERO EKTACHROME	9-1/2 IN. 100
VR-22-CH-128-00131	12 JUN 67	128 MISSISSIPPI DELTA, LOUISIANA		50 RC-8	EKTACHROME	9-1/2 IN. 370
VR-22-FH-032-00132	23 JUN 67	032 WESLACO, TEXAS		51 RC-8	EKTACHROME, IR	9-1/2 IN. 150

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-22-GJ-032-00133	7 JUL 67	032	ESLACO, TEXAS	951 RC-6	EKTACHROME, IR 9-1/2 IN. 135
VR-22-GJ-044-00134	29 JUN 67	044	PURPLE, INDIANA	52 RC-6	EKTACHROME 9-1/2 IN. 225
VR-22-GJ-046-00135	17 JUL 67	046	ASHEVILLE, NORTH CAROLINA	53 RC-6	AERO EKTACHROME 9-1/2 IN. 30
VR-22-GJ-124-00136	17 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	53 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-153-00137	17 JUL 67	153	ANAPOLIS, MARYLAND	51 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-124-00138	17 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	52 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-152-00139	17 JUL 67	152	BARNEGAT BAY, NEW JERSEY	52 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-046-00140	17 JUL 67	046	ASHEVILLE, NORTH CAROLINA	52 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-124-00141	17 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	53 RC-6	AERO EKTACHROME 9-1/2 IN. 75
VR-22-GJ-046-00142	17 JUL 67	046	ASHEVILLE, NORTH CAROLINA	53 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-150-00143	17 JUL 67	150	PAMLICO SOUND, NORTH CAROLINA	53 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-124-00144	17 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	53 RC-6	EKTACHROME, IR 9-1/2 IN. 150
VR-22-GJ-152-00145	17 JUL 67	152	BARNEGAT BAY, NEW JERSEY	53 RC-6	EKTACHROME, IR 9-1/2 IN. 150
VR-22-GJ-124-00146	17 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	53 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-153-00147	17 JUL 67	153	ANAPOLIS, MARYLAND	53 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-046-00148	17 JUL 67	046	ASHEVILLE, NORTH CAROLINA	53 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-044-00149	7 AUG 67	044	PURPLE, INDIANA	54 RC-6	AERO EKTACHROME 9-1/2 IN. 225
VR-22-GJ-144-00150	7 AUG 67	144	WISCONSIN SAND PLAINS	54 RC-6	AERO EKTACHROME 9-1/2 IN. 225
VR-22-GJ-085-00151	7 AUG 67	085	LAWRENCE, KANSAS	54 RC-6	EKTACHROME, IR 9-1/2 IN. 75
VR-22-GJ-044-00152	7 AUG 67	044	PURPLE, INDIANA	54 RC-6	EKTACHROME, IR 9-1/2 IN. 225

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-72-FJ-076-00153	7 AUG 67	076 GARDEN CITY, KANSAS		54 RC-8	EKTACHROME, IR 9+1/2 IN. 75
VR-72-FJ-156-00154	21 AUG 67	156 WIND RIVER, WASHINGTON		55 RC-8	AERO EKTACHROME 9+1/2 IN. 50 FILM OF NO VALUE WRONG FILTER
J-048-00155	21 AUG 67	048 SAN FABLO RESERVOIR, CALIFORNIA		55 RC-8	EKTACHROME, IR 9+1/2 IN. 200
VR-72-FJ-056-00156	21 AUG 67	056 MT. LASSEN, CALIFORNIA		55 RC-8	EKTACHROME, IR 9+1/2 IN. 200
VR-72-FJ-157-00157	6+9 SEP 67	157 BORREGO SPRINGS, CALIFORNIA		56 RC-8	PLUS-X 540I 9+1/2 IN. 1080
2-FJ-03-00158	6+9 SEP 67	003 MONO CRATERS, CALIFORNIA		56 RC-8	PLUS-X 540I 9+1/2 IN. 1080
VR-22-EJ-019-00159	6+9 SEP 67	019 SONORA PASS, CALIFORNIA		56 RC-8	PLUS-X 540I 9+1/2 IN. 1080
VR-22-EJ-019-00160	7+9 SEP 67	019 SONORA PASS, CALIFORNIA		56 RC-8	EKTACHROME, IR 9+1/2 IN. 375
VR-22-EJ-130-00161	7+9 SEP 67	130 SOUTHERN CALIFORNIA		56 RC-8	EKTACHROME, IR 9+1/2 IN. 375
VR-22-EJ-157-00162	7+9 SEP 67	157 BORREGO SPRINGS, CALIFORNIA		56 RC-8	EKTACHROME, IR 9+1/2 IN. 375
VR-22-EJ-003-00163	7+9 SEP 67	003 MONO CRATERS, CALIFORNIA		56 RC-8	EKTACHROME, IR 9+1/2 IN. 375
VR-22-FH-158-00164	18 SEP 67	158 CORPUS CHRISTI, TEXAS/GULF OF MEXICO		57 RC-8	COLOR EKTACHROME 9+1/2 IN. 100
VR-22-FH-146-00165	21 SEP 67	146 ALAFIA AND PEACE RIVERS, FLORIDA		57 RC-8	EKTACHROME, IR 9+1/2 IN. 200
VR-22-GH-128-00166	30 AUG 67	128 MISSISSIPPI DELTA, LOUISIANA		58 RC-8	COLOR EKTACHROME 9+1/2 IN. 450
VR-22-GH-997-00167	30 AUG 67	997 CAPE KENNEDY, FLORIDA		58 RC-8	COLOR EKTACHROME 9+1/2 IN. 100
VR-22-GH-997-00168	30 AUG 67	997 CAPE KENNEDY, FLORIDA		58 RC-8	EKTACHROME, IR 9+1/2 IN. 100
VR-22-GH-120-00169	30 AUG 67	120 MISSISSIPPI DELTA, LOUISIANA		58 RC-8	EKTACHROME, IR 9+1/2 IN. 450
VR-22-FJ-159-00170	18 OCT 67	159 HORSEFLY MOUNTAIN, OREGON		59 RC-8	EKTACHROME 8442 9+1/2 IN. 40
VR-22-FJ-020-00171	17-18 OCT 67	020 BUCKS LAKE, CALIFORNIA		59 RC-8	EKTACHROME 9+1/2 IN. 255
VR-22-FJ-051-00172	17-18 OCT 67	051 MESSOLITE SEDIMENTARY, ARIZONA		59 RC-8	EKTACHROME 9+1/2 IN. 255
VR-22-FJ-076-00174	13-16 NOV 67	076 GARDEN CITY, KANSAS		61 RC-8	EKTACHROME 9+1/2 IN. 275

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					EQUIPMENT	INSTRUMENT
VR-22-GJ-079-00175	13-16 NOV 67	079	MATEwan, KENTUCKY	61	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GJ-129-00176	13-16 NOV 67	129	ARKANSAS BASIN	61	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GJ-005-00177	15 NOV 67	085	LAWRENCE, KANSAS	61	RC-8	AERO EKTA. 8442 9-1/2 IN.
VR-22-GH-032-00178	4 DEC 67	032	WESLACO, TEXAS	62	RC-8	EXTACHROME IR 9-1/2 IN.
VR-22-GH-152-00179	6 DEC 67	152	NEW ORLEANS, LOUISIANA	62	RC-8	EXTACHROME IR 9-1/2 IN.
VR-22-GJ-153-00180	6 DEC 67	153	MICHIGAN, LOUISIANA	62	RC-8	EXTACHROME IR 9-1/2 IN.
VR-22-GJ-154-00181	6 DEC 67	154	SLIDELL, LOUISIANA	62	RC-8	EXTACHROME IR 9-1/2 IN.
VR-22-GJ-157-00182	6 DEC 67	157	MISSISSIPPI TEST FACILITY	62	RC-8	EXTACHROME IR 9-1/2 IN.
VR-22-GJ-165-00183	5 JAN 68	165	DESERET/ST. MARKS, FLORIDA	964	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GH-032-00184	15 JAN 68	032	WESLACO, TEXAS	64	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GH-032-00185	15 JAN 68	032	WESLACO, TEXAS	64	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-124-00186	17-19 JAN 68	124	DELMARVA PENINSULA, DELAWARE / MARYLAND/VIRGINIA	65	RC-8	EXTACHROME 8443 9-1/2 IN.
VR-22-GJ-124-00187	19 JAN 68	124	DELAWARE PENINSULA, DELAWARE / MARYLAND/VIRGINIA	65	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-150-00188	19 JAN 68	150	PAMLICO SOUND, NORTH CAROLINA	65	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-150-00189	17-19 JAN 68	150	PAMLICO SOUND, NORTH CAROLINA	65	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-152-C0190	18 JAN 68	152	BARNEGAT BAY, NEW JERSEY	65	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-161-00191	18 JAN 68	161	RARITAN RIVER, NEW JERSEY	65	RC-8	EXTACHROME 8442 9-1/2 IN.
VR-22-GJ-046-00192	16-17 JAN 68	046	ASHEVILLE, NORTH CAROLINA	65	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GJ-124-00193	16-17 JAN 68	124	DELMARVA PENINSULA, DELAWARE / MARYLAND/VIRGINIA	65	RC-8	EKTA. IR 8443 9-1/2 IN.
VR-22-GJ-124-00194	17-19 JAN 68	124	DELMARVA PENINSULA, DELAWARE / MARYLAND/VIRGINIA	65	RC-8	EKTA. IR 8443 9-1/2 IN.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISN	INSTRUMENT CONFIGURATION
VR-22-GJ-190-00195	17-19 JAN 68	150	PAMLICO SOUND, NORTH CAROLINA	65	RC-8
VR-22-GJ-124-00196	17-19 JAN 68	124	DELMARVA PENINSULA, DELAWARE/MARYLAND/VIRGINIA	65	RC-8
VR-22-GH-163-00197	6 FEB 68	163	BISCAYNE BAY, FLORIDA	66	RC-8
VR-22-GH-164-00198	6 FEB 68	164	BOCA RATON/BELLE GLADE, FLA.	66	RC-8
VR-22-GH-162-00199	6 FEB 68	162	BAHAMA BANKS, FLORIDA	66	RC-8
VR-22-GH-164-00200	6 FEB 68	164	BOCA RATON/BELLE GLADE, FLORIDA	66	RC-8
VR-22-GH-162-00201	8-9 FEB 68	162	BAHAMA BANKS, FLORIDA	66	RC-8
VR-22-GH-163-00202	8-9 FEB 68	163	BISCAYNE BAY, FLORIDA	66	RC-8
VR-22-GH-164-00203	7 FEB 68	164	BOCA RATON/BELLE GLADE, FLORIDA	66	RC-8
VR-22-GH-155-00204	10 FEB 68	155	GULF COAST FISHERIES	66	RC-8
VR-22-GH-132-00205	10 FEB 68	132	NEW ORLEANS, LOUISIANA	66	RC-8
VR-22-GH-146-00206	27-28 FEB 68	146	ALAFIA AND PEACE RIVERS, FLORIDA	67	RC-8
VR-22-GH-147-00207	27-28 FEB 68	147	LAKES/TAMPA, FLORIDA	67	RC-8
VR-22-GH-147-00208	28 FEB 68	147	LAKES/TAMPA, FLORIDA	67	RC-8
VR-22-GJ-165-00209	1 MAR 68	165	DESERT/ST. MARKS, FLORIDA	67	RC-8
VR-22-GH-145-00210	2 MAR 68	145	GULF COAST SPRINGS	67	RC-8
VR-22-GH-992-00211	26 FEB 68	992	FIREANT	67	RC-8
VR-22-GH-147-00212	28 FEB 68	147	LAKES/TAMPA, FLORIDA	67	RC-8
VR-22-GJ-145-00213	1 MAR 68	165	DESERT/ST. MARKS, FLORIDA	67	RC-8
VR-22-GH-145-00214	2 MAR 68	145	GULF COAST SPRINGS	67	RC-8
VR-22-GJ-165-00215	2 MAR 68	165	DESERT/ST. MARKS, FLORIDA	67	RC-8
VR-22-GH-145-00216	27 FEB 68	145	GULF COAST SPRINGS	67	RC-8

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ACCESSION NUMBER	DATE NO.	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-CH-147-00217	27 FEB 68	147	LAKES/TAMPA, FLORIDA	67	RC-8
VR-22-JJ-135-00218	17-18 OCT 67	135	HARVEY VALLEY, CALIFORNIA	59	RC-8
VR-22-JK-156-00219	17-18 OCT 67	156	WIND RIVER, WASHINGTON	59	RC-8
VR-22-L-L-166-00220	3-8 APR 68	166	ICELAND	70	RC-8
VR-22-L-L-166-00221	3-9 APR 68	166	ICELAND	70	RC-8
VR-22-L-L-166-00222	6-9 APR 68	166	ICELAND	70	RC-8
VR-22-GK-126-00223	5 MAY 68	126	MARQUETTE/REPUBLIC TROUGHS, MICH.	72	RC-8
VR-22-GJ-044-00224	6-7 MAY 68	044	PURPLE, INDIANA	72	RC-8
VR-22-GJ-167-00225	7 MAY 68	167	LAKE MICHIGAN	72	RC-8
VR-22-FK-041-00226	9 MAY 68	041	MESABI RANGE, MINNESOTA	72	RC-8
VR-22-GJ-044-00227	6-7 MAY 68	044	PURPLE, INDIANA	72	RC-8
VR-22-GJ-167-00228	7 MAY 68	167	LAKE MICHIGAN	72	RC-8
VR-22-GK-126-00229	8 MAY 68	126	MARQUETTE/REPUBLIC TROUGHS, MICH.	72	RC-8
VR-22-FK-041-00230	9 MAY 68	041	MESABI RANGE, MINNESOTA	72	RC-8
VR-22-JJ-027-00231	21-24 MAY 68	027	SALTIN SEA, CALIFORNIA	73	RC-8
VR-22-EJ-150-00232	21-24 MAY 68	150	SOUTHERN CALIFORNIA	73	RC-8
VR-22-EJ-157-00233	21-24 MAY 68	157	BORREGO SPRINGS, CALIFORNIA	73	RC-8
VR-22-EJ-072-00234	25-27 MAY 68	072	COSO HOT SPRINGS, CALIFORNIA	73	RC-8
VR-22-JJ-048-00235	25-27 MAY 68	048	SAN PABLO RESERVOIR, CALIFORNIA	73	RC-8
VR-22-JJ-02C-00236	28 MAY 68	020	BUCKS LAKE, CALIFORNIA	73	RC-8
VR-22-EJ-027-00237	21-24 MAY 68	027	SALTIN SEA, CALIFORNIA	73	RC-8
VR-22-EJ-150-00238	21-24 MAY 68	150	SOUTHERN CALIFORNIA	73	RC-8

## INSTRUMENT CONFIGURATION

MISSION	INSTRUMENT CONFIGURATION
6443	9-1/2 IN. 200
8443	EXTA. IR 8443 9-1/2 IN. 255
8443	EXTA. IR 8443 9-1/2 IN. 255
8442	9-1/2 IN. 245
8443	9-1/2 IN. 360
8401	9-1/2 IN. 368
8401	9 1/2 256
8443	9 1/2 550
8443	9 1/2 90
8443	9 1/2 100
8442	9 1/2 550
8442	9 1/2 100
8442	9 1/2 210
8442	9 1/2 120
8401	9-1/2 IN. 432
8401	9-1/2 IN. 432
8442	9-1/2 IN. 185
8442	9-1/2 IN. 185
8443	9-1/2 IN. 450
8443	9-1/2 IN. 450

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AC SESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					STATION	IN.
VR-22-1-197-00239	21-24 MAY 68	197	BORREGO SPRINGS, CALIFORNIA	73	RC-8	8443
VR-22-2-J-072-00240	27 MAY 68	072	COSO HOT SPRINGS, CALIFORNIA	73	RC-8	8443
VR-22-2-J-020-00241	28 MAY 68	020	BUCKS LAKE, CALIFORNIA	73	RC-8	8443
VR-22-CJ-174-00242	20 JUN 68	174	WALLOPS ISLAND, VIRGINIA	74	RC-8	8401
VR-22-2-J-076-00243	17 JUN 68	076	GARDEN CITY, KANSAS	74	RC-8	8443
VR-22-CJ-044-00244	18 JUN 68	044	PURDLE, INDIANA	74	RC-8	8443
VR-22-2-J-168-00245	20 JUN 68	168	PATUXENT RIVER, MARYLAND	74	RC-8	8443
VR-22-2-J-076-00246	17 JUN 68	076	GARDEN CITY, KANSAS	74	RC-8	8442
VR-22-CJ-044-00247	18 JUN 68	044	PURDLE, INDIANA	74	RC-8	8442
VR-22-2-J-085-00248	17 JUN 68	085	LAWRENCE, KANSAS	74	RC-8	8442
VR-22-GH-162-00249	3 JUL 68	162	BAHAMA BANKS, FLORIDA	75	RC-8	8442
VR-22-2-H-032-00250	3 JUL 68	032	WESLACO, TEXAS	75	RC-8	8442
VR-22-2-H-032-00251	3 JUL 68	032	WESLACO, TEXAS	75	RC-8	8443
VR-22-2-J-056-00252	18 JUL 68	056	MT. LASSEN, CALIFORNIA	76	RC-8	8401
VR-22-2-J-022-00253	16 JUL 68	022	TONGFAH, NEVADA	76	RC-8	8442
VR-22-2-J-075-00254	16 JUL 68	075	GOLDFIELD, NEVADA	76	RC-8	8442
VR-22-2-J-022-00255	16 JUL 68	022	TONGFAH, NEVADA	76	RC-8	8443
VR-22-2-J-075-00256	16 JUL 68	075	GOLDFIELD, NEVADA	76	RC-8	8443
VR-22-2-J-056-00257	18 JUL 68	056	MT. LASSEN, CALIFORNIA	76	RC-8	8443
VR-22-2-J-076-00258	29 JUL 68	076	GARDEN CITY, KANSAS	77	RC-8	8443
VR-22-CJ-044-00259	30 JUL 68	044	PURDLE, INDIANA	77	RC-8	8443
VR-22-CJ-148-00260	1 AUG 68	148	LEHIGH RIVER, PENNSYLVANIA	77	RC-8	8443

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-EJ-076-00261	11 JUN 68	076	GARDEN CITY, KANSAS	77	RC-8 8442 9-1/2 IN. 200
VR-22-GJ-044-00262	30 JUL 68	044	PURDLE, INDIANA	77	RC-8 8442 9-1/2 IN. 475
VR-22-GJ-148-00263	1 AUG 68	148	LEHIGH RIVER, PENNSYLVANIA	77	RC-8 8442 9-1/2 IN. 125
VR-22-GJ-174-00264	20 JUN 68	174	WALLOPS ISLAND, VIRGINIA	74	RC-8 8443 9-1/2 IN. 130
VR-22-JK-156-00265	30 AUG 68	156	WIND RIVER, WASHINGTON	78	RC-8 8442 9-1/2 IN. 100
VR-22-EJ-019-00266	28 AUG 68	019	SONORA PASS, CALIFORNIA	78	RC-8 8443 9-1/2 IN. 40
VR-22-EJ-003-00267	28 AUG 68	003	MONO CRATERS, CALIFORNIA	78	RC-8 8443 9-1/2 IN. 120
VR-22-JJ-056-00268	28 AUG 68	056	MT. LASSEN, CALIFORNIA	78	RC-8 8443 9-1/2 IN. 40
VR-22-JK-040-00269	29 AUG 68	040	CASCADE MOUNTAINS, WASHINGTON	78	RC-8 8443 9-1/2 IN. 50
VR-22-JK-156-00270	30 AUG 68	156	WIND RIVER, WASHINGTON	78	RC-8 8443 9-1/2 IN. 60
VR-22-EJ-019-00271	28 AUG 68	019	SONORA PASS, CALIFORNIA	78	RC-8 8401 9-1/2 IN. 190
VR-22-EJ-003-00272	28 AUG 68	003	MONO CRATERS, CALIFORNIA	78	RC-8 8401 9-1/2 IN. 290
VR-22-JJ-056-00273	28 AUG 68	056	MT. LASSEN, CALIFORNIA	78	RC-8 8401 9-1/2 IN. 90
VR-22-JK-040-00274	29 AUG 68	040	CASCADE MOUNTAINS, WASHINGTON	78	RC-8 8401 9-1/2 IN. 70
VR-22-GH-155-00275	11 JUN 68	155	GULF COAST FISHERIES	79	RC-8 ANSLO D-200 9-1/2 IN. 75
VR-22-GH-173-00276	14 JEP 68	173	GULF LOOP	79	RC-8 8442 9-1/2 IN. 56
VR-22-GH-164-00277	11 SEP 68	164	BOCA RATON/BELLE GLADE, FLORIDA	79	RC-8 8442 9-1/2 IN. 195
VR-22-GH-155-00278	11 SEP 68	155	GULF COAST FISHERIES	79	RC-8 8442 9-1/2 IN. 75
VR-22-GH-172-00279	16 SEP 68	172	YUCATAN PENINSULA	79	RC-8 8442 9-1/2 IN. 195
VR-22-GH-155-00280	11 SEP 68	155	GULF COAST FISHERIES	79	RC-8 8443 9-1/2 IN. 105
VR-22-GJ-174-00281	12 SEP 68	174	WALLOPS ISLAND, VIRGINIA	79	RC-8 8443 9-1/2 IN. 255
VR-22-JJ-168-0 .	12-13 SEP 68	168	PATUXENT RIVER, MARYLAND	79	RC-8 8443 9-1/2 IN. 920

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					NO.	NAME
VR-22-CH-172-00283	16 SEP 68	172 YUCATAN PENINSULA		79	RC-B	8443
VR-22-CH-174-00284	12 SEP 68	174 WALLOPS ISLAND, VIRGINIA		79	RC-B	8401
VR-22-CH-171-00285	23 SEP 68	171 SABINE LAKE, LOUISIANA		80	RC-B	8443
VR-22-EJ-076-00286	27 SEP 68	076 GARDEN CITY, KANSAS		80	RC-B	8443
VR-22-CH-171-00287	23-24 SEP 68	171 SABINE LAKE, LOUISIANA		80	RC-B	8442
VR-22-EJ-076-00288	27 SEP 68	076 GARDEN CITY, KANSAS		80	RC-B	8442
VR-22-CH-992-00289	9 NOV 67	992 FIREANT		997	RC-B	9-1/2 IN. 426
VR-22-CH-993-00290	30 AUG 67	993 TITUSVILLE, FLORIDA		58	RC-B	EKTA CHROME 8442 9-1/2 IN. 30
VR-22-CH-993-00291	30 AUG 67	993 TITUSVILLE, FLORIDA		58	RC-B	EKTA CHROME, IR 9-1/2 IN. 100
VR-22-CH-163-00292	7-10 OCT 68	163 BISCAYNE BAY, FLORIDA		81	RC-B	8443
VR-22-GJ-165-00293	7-10 OCT 68	165 DESERET/ST. MARKS, FLORIDA		81	RC-B	8443
VR-22-CH-145-00294	11 OCT 68	145 GULF COAST SPRINGS		81	RC-B	8443
VR-22-CH-146-00295	11 OCT 68	146 ALAFIA AND PEACE RIVERS, FLORIDA		81	RC-B	8443
VR-22-CH-132-00296	11 OCT 68	132 NEW ORLEANS, LOUISIANA		81	RC-B	8443
VR-22-CH-163-00297	7-10 OCT 68	163 BISCAYNE BAY, FLORIDA		81	RC-B	8442
VR-22-GJ-165-00298	7-10 OCT 68	165 DESERET/ST. MARKS, FLORIDA		81	RC-B	8442
VR-22-CH-145-00299	11 OCT 68	145 GULF COAST SPRINGS		81	RC-B	8442
VR-22-CH-146-00300	11 OCT 68	146 ALAFIA AND PEACE RIVERS, FLORIDA		81	RC-B	8442
VR-22-CH-132-00301	11 OCT 68	132 NEW ORLEANS, LOUISIANA		81	RC-B	8442
VR-22-EJ-996-00302	14 OCT 68	996 DALLAS/FT. WORTH, TEXAS		981	RC-B	8443
VR-22-EJ-995-00303	14 OCT 68	995 ANSON/SYDNER, TEXAS		981	C-B	8443
VR-22-EJ-030-00304	14-16 OCT 68	030 TUCSON, ARIZONA		981	RC-B	8443

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-EJ-994-00305	18-20 OCT 68	994	EL PASO, TEXAS	9A1	RC-B
VR-22-EJ-101-00306	19 OCT 68	101	COLORADO RIVER DELTA	9B1	RC-B
VR-22-FH-175-00307	23 OCT 68	175	HOUSTON, TEXAS, AREA	9B1	RC-B
VR-22-EJ-996-00308	14 OCT 68	996	DALLAS/FT. WORTH, TEXAS	9B1	RC-B
VR-22-EJ-995-00309	14 OCT 68	995	ANSON/SYDNER, TEXAS	9B1	RC-B
VR-22-EJ-030-00310	14-16 OCT 68	030	TUCSON, ARIZONA	9B1	RC-B
VR-22-EJ-994-00311	18-20 OCT 68	994	EL PASO, TEXAS	9B1	RC-B
VR-22-EJ-101-00312	19 OCT 68	101	COLORADO RIVER DELTA	9B1	RC-B
VR-22-EJ-176-00313	6 NOV 68	176	NEW ENGLAND	A2	RC-B
VR-22-GH-147-00314	8 NOV 68	147	LAKES/TAMPA, FLORIDA	82	RC-B
VR-22-EJ-176-00315	6 NOV 68	176	NEW ENGLAND	82	RC-B
VR-22-GH-147-00316	8 NOV 68	147	LAKES/TAMPA, FLORIDA	82	RC-B
VR-22-FJ-178-00317	20 DEC 68	178	MILL CREEK, OKLAHOMA	84	RC-B
VR-22-FH-179-00318	23 DEC 68	179	LAGUNA MADRE/CORPUS CHRISTI, TEXAS	84	RC-B
VR-22-FJ-178-00319	20 DEC 68	178	MILL CREEK, OKLAHOMA	84	RC-B
VR-22-FH-179-00320	23 DEC 68	179	LAGUNA MADRE, TEXAS	84	RC-B
VR-22-GH-164-00321	14 JAN 69	164	BOCA RATON/BELLE GLADE, FLORIDA	85	RC-B
VR-22-GJ-165-00322	13-15 JAN 69	165	DESERET/ST. MARKS, FLORIDA	85	RC-B
VR-22-GH-146-00323	14 JAN 69	146	ALAFIA AND PEACE RIVERS, FLORIDA	85	RC-B
VR-22-GH-164-00324	14 JAN 69	164	BOCA RATON/BELLE GLADE, FLORIDA	85	RC-B
VR-22-GJ-165-00325	13-14 JAN 69	165	DESERET/ST. MARKS, FLORIDA	85	RC-B
VR-22-EJ-103-00326	27 JAN 69	183	LORDSBURG, NEW MEXICO	86	RC-B

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-5J-180-00327	27 JAN 69	180	GARNET MOUNTAIN, ARIZONA	R6	RC-B
VR-22-FH-171-00328	26 FEB 69	171	SABINE LAKE, LOUISIANA	R7	RC-B
VR-22-H-171-00329	26 FEB 69	:71	SABINE LAKE, LOUISIANA	R7	RC-B
VR-22-L-166-00330	6-14 MAR 69	166	ICELAND - SEA STATE	R8	RC-B
VR-22-L-166-00331	6-11 MAR 69	166	ICELAND - SEA STATE	R8	RC-B
VR-22-L-166-00332	13-14 MAR 69	166	ICELAND - SEA STATE	R8	RC-B
VR-22-4H-092-00400	21-23 JUN 69	092 PUERTO RICO	EXPOSURE NUMBERS	SCALE	96 RC-B, WRATTEN 15, COLOR IR 80117, 9.5 IN. RAMSEY AFB-SLIGHTLY OVEREXPOSED RAMSEY-ARECIBO-VEGA 3AJA CABO SAN JUAN GUANICA-ENSENADA CLOUDS - LAGO CAONILLAS COASTLINE - PUNTA TUNA TO PONCE SAN JUAN-LAGO CAONILLAS
	ROLL LINE	0361 - 0369	ALTITUDE	1.40,000 MSL	
1	11	0370 - 0389	20,000 MSL	1.40,000 MSL	
1	12	0421 - C433	20,000 MSL	1.40,000 MSL	
1	N/A	0441 - 0443	20,000 MSL	1.40,000 MSL	
1	5	0444 - C454	20,000 MSL	1.40,000 MSL	
1	21	0455 - 0525	5,000 MSL	1.10,000 MSL	
1	N/A	0526 - 0535	5,000 MSL	1.10,000 MSL	
VR-22-4H-092-00401	24-25 JUN 69	092 PUERTO RICO	EXPOSURE NUMBERS	SCALE	96 RC-B, WRATTEN 15, COLOR IR 80117, 9.5 IN. CLOUDS-HAZE, PUNTA CERRO GORDO
	ROLL LINE	0576 - C597	ALTITUDE	1.40,000 MSL	
2	N/A	0598	20,000 MSL	1.40,000 MSL	
2	20	0604 - C621	5,000 MSL	1.10,000 MSL	
2	4	0622 - C651	20,000 MSL	1.40,000 MSL	
2	5	0653 - C678	20,000 MSL	1.40,000 MSL	
2	6	0679 - C702	20,000 MSL	1.40,000 MSL	
2	5	0703 - C726	20,000 MSL	1.40,000 MSL	
2	21	0726 - 0780	5,000 MSL	1.10,000 MSL	
VR-22-4H-092-00402	27 JUN 69	092 PUERTO RICO	EXPOSURE NUMBERS	SCALE	96 RC-B, WRATTEN 15, COLOR IR 80117, 9.5 IN. CABO ROJO PUNTA PETRONA-CABO ROJO CABO ROJO ISLA MORILLIO PUNTA PETRONA-CABO ROJO
	ROLL LINE	N/A 0281	ALTITUDE	20,000 MSL	
3	N/A	0284 - 0288	20,000 MSL	1.40,000 MSL	
3	24	0289 - 0303	20,000 MSL	1.40,000 MSL	
3	13	0304 - 0323	20,000 MSL	1.40,000 MSL	
3	23	0324 - 0343	20,000 MSL	1.40,000 MSL	
3	8	0346 - 0352	20,000 MSL	1.40,000 MSL	
3	9	0354 - 0360	20,000 MSL	1.40,000 MSL	
3	10	0360 - 0399	20,000 MSL	1.40,000 MSL	
3	16	0400 - 0420	20,000 MSL	1.40,000 MSL	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-4H-092-00403	21-23 JUN 69	092 PUERTO RICO	EXPOSURE NUMBERS	SCALE 96	RC-8, COLOR 244A, 9.5 IN. REMARKS
	ROLL LINE 1 11	6390 - 639b	ALTITUDE 20,000 MSL	1.40,000	RAMSEY AFB
	1 12	6399 - 6417	20,000 MSL	1.40,000	RAMSEY-ARECIBO-VEGA BAJA
	1 14	6454 - 6467	20,000 MSL	1.40,000	CABO SAN JUAN
	1 N/A	6472 - 6474	20,000 MSL	1.40,000	GUANICA-ENSENADA
	1 5	6475 - 6485	20,000 MSL	1.40,000	LAGO CAONILLAS
	1 21	6486 - 6555	20,000 MSL	1.40,000	COASTLINE-PUNTA TUWA-ponce
	1 N/A	6556 - 6607	20,000 MSL	1.40,000	SAN JUAN-LAGO CAONILLAS
VR-22-4H-092-00404	24-25 JUN 69	092 PUERTO RICO	EXPOSURE NUMBERS	SCALE 96	RC-8, COLOR 244A, 9.5 IN. REMARKS
	ROLL LINE 2 5	6609 - 6650	ALTITUDE 20,000 MSL	1.40,000	CLouds-HAZE, PUNTA CERRO GORDO
	2 N/A	6651 - 6653	5,000 MSL	1.10,000	LAGO CAONILLAS-GUAQUACAO
	2 20	6654 - 6658	5,000 MSL	1.10,000	DORADO-BUNTA JOBOADAS
	2 4	6659 - 6687	20,000 MSL	1.40,000	BAHIA-MONTALVA-PUNTA CERRO GORDO
	2 5	6688 - 6713	20,000 MSL	1.40,000	PALMAS-ATLAS-CARO ROJO
	2 6	6714 - 6737	20,000 MSL	1.40,000	PUNTA CERRO GORDO-BAHIA MONFALVA
	2 5	6738 - 6761	20,000 MSL	1.40,000	PUNTA PETRONA-PIINTA TUWA
	2 21	6763 - 6815	5,000 MSL	1.10,000	
VR-22-4H-192-00405	27 JUN 69	192 BARBADOS	EXPOSURE NUMBERS	SCALE 96	RC-8, COLOR 244A, 9.5 IN. REMARKS
	ROLL LINE 3 5	6820 - 6850	ALTITUDE 20,000 MSL	1.40,000	ONLY FRAMES 684A-6816
	3 1	6848 - 6859	3,000 MSL	1.60,000	MATCH COLOR IR n789-0860
	3 2	6870 - 6916	3,000 MSL	1.60,000	
	3 6	6852 - C903	15,000 MSL	1.30,000	
	3 3	6904 - C915	20,000 MSL	1.40,000	
	3 5	C916 - C921			
	3 6	0922 - C935			
	3 4	6831 - 6842	20,000 MSL	1.40,000	
VR-22-4H-192-00406	27 JUN 69	192 BARBADOS	EXPOSURE NUMBERS	SCALE 96	RC-8, WRATTEN 1%, COLOR IR 80117, 9.5 IN. REMARKS
	ROLL LINE 3 1	0799 - C810	ALTITUDE 3,000 MSL	1.6000	BRIDGETOWN
	3 2	0811 - C860	3,000 MSL	1.6000	NO COLOR IR WAS TAKEN FOR REST OF SITE 192
VR-22-8J-019-00407	17 JUL 69	019 SONORA PASS, CALIFORNIA	EXPOSURE NUMBERS	SCALE 100	RC-8, 500 MICROMETER, COLOR IR SO117, 6 IN. REMARKS
	ROLL LINE 2 4	46 - 49	ALTITUDE 60,000 MSL	1.120,000	MAP NO. NJ 11-4.
VR-22-8J-019-00408	17 JUL 69	019 SONORA PASS, CALIFORNIA	EXPOSURE NUMBERS	SCALE 100	RC-8, 2.2AV, COLOR 244B, 6 IN. REMARKS
	ROLL LINE 2 4	3256 - 3259	ALTITUDE 60,000 MSL	1.120,000	MAP NO. NJ 11-4.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-3-J-003-00409 17	JUL 69	003 MONO LAKE LINE 16 - 18	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-8, 500 MICROMETER, COLOR IR S0117, 6 IN. TIME 1829 - 1855 MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-003-00410 17	JUL 69	003 MONO LAKE LINE 1 3225 - 3228	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-A, 2.2AV, COLOR 2448, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-193-00411 17	JUL 69	193 ELDORADO FOREST LINE 3 7 136 - 141	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-A, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-193-00412 17	JUL 69	193 ELDORADO FOREST LINE 6 3307 - 3329	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-040-00413 17	JUL 69	040 SAN PABLO RESERVOIR LINE 7 3346 - 3357	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-040-00414 17	JUL 69	040 SAN PABLO RESERVOIR LINE 8 3393 - 3398	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.
VR-22-3-J-020-00415 18	JUL 69	020 BUCKS LAKE, CALIFORNIA LINE 8 3569 - 3572	EXPOSURE NUMBERS ALTITUDE 60,000 MSL	SCALE 1:120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NOS. NJ 11-4, NJ 11-7.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-22-J-020-00416 18	JUL 69	020 BUCKS LAKE, CALIFORNIA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NO. NJ 10-3
VR-22-J-109-00417 18	JUL 69	109 KLAMATH FALLS LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NO. NK 10-6.
VR-22-J-109-00418 18	JUL 69	109 KLAMATH FALLS LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NO. NK 10-6.
VR-22-J-056-00419 18	JUL 69	056 LASSEN PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NO. NK 10-6.
VR-22-J-056-00420 18	JUL 69	056 LASSEN PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NO. NK 10-12.
VR-22-J-135-00421 18	JUL 69	135 HARVEY VALLEY LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NO. NK 10-12.
VR-22-J-135-00422 18	JUL 69	135 HARVEY VALLEY LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	RC-B, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NO. NK 10-12.
VR-22-F-J-194-00423 01	AUG 69	194 DENVER, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000	RC-B, 2.2AV, COLOR 2448, 6 IN. MAP NO. NK 10-12.
VR-22-F-J-194-00424 01	AUG 69	194 DENVER, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000	RC-B, 500 MICROMETER, COLOR IR S0117, 6 IN. MAP NO. NK 13-14.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION		
					ROLL LINE	EXPOSURE NUMBERS	ALTITUDE
NR-22-EJ-C11-00425	02 AUG 69	011 YELLOWSTONE PARK		101	RC-8, 2.2AV, COLOR 2448, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	3700A - 3712	60,000 MSL	1.120,000			
	1 2	3713 - 3716	60,000 MSL	1.120,000			
NR-22-EJ-011-00426	02 AUG 69	011 YELLOWSTONE PARK		101	RC-8, 500 MICROMETER, COLOR IR S117, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	4031 - 4043	60,000 MSL	1.120,000			
	1 2	4044 - 4047	60,000 MSL	1.120,000			
NR-22-EJ-149-00427	03 AUG 69	149 BLACK HILLS, SOUTH DAKOTA		101	RC-8, 2.2AV, COLOR 2448, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	3717 - 3726	60,000 MSL	1.120,000			
	1 2	3727 - 3738	60,000 MSL	1.120,000			
NR-22-EJ-149-00428	03 AUG 69	149 BLACK HILLS, SOUTH DAKOTA		101	RC-8, 500 MICROMETER, COLOR IR S117, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	4048 - 4057	60,000 MSL	1.120,000			
	1 2	4058 - 4069	60,000 MSL	1.120,000			
NR-22-EJ-011-00429	04 AUG 69	011 YELLOWSTONE PARK		101	RC-8, 2.2AV, COLOR 2448, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	3741 - 3753	60,000 MSL	1.120,000			
	1 3	3754 - 3764	60,000 MSL	1.120,000			
	1 4	3765 - 3774	60,000 MSL	1.120,000			
	1 4	3776 - 3787	60,000 MSL	1.120,000			
	1 5	3788 - 3799	60,000 MSL	1.120,000			
	1 6	3800 - 3811	60,000 MSL	1.120,000			
	1 7	3812 - 3823	60,000 MSL	1.120,000			
	1 8	3824 - 3839	60,000 MSL	1.120,000			
	1 9	3840 - 3850	60,000 MSL	1.120,000			
NR-22-EJ-011-00430	04 AUG 69	011 YELLOWSTONE PARK		101	RC-8, 500 MICROMETER, COLOR IR S117, 6 IN.		
	1 1	EXPOSURE NUMBERS	60,000 MSL	1.120,000			
	1 2	4072 - 4094	60,000 MSL	1.120,000			
	1 3	4085 - 4095	60,000 MSL	1.120,000			
	1 4	4096 - 4106	60,000 MSL	1.120,000			
	1 5	4107 - 4118	60,000 MSL	1.120,000			
	1 6	4119 - 4130	60,000 MSL	1.120,000			
	1 6	4131 - 4142	60,000 MSL	1.120,000			
	1 7	4143 - 4154	60,000 MSL	1.120,000			
	1 8	4155 - 4170	60,000 MSL	1.120,000			
	1 9	4171 - 4181	60,000 MSL	1.120,000			

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION		INSTRUMENT CONFIGURATION
				SCALE	REMARKS	
VR-22-EJ-149-00431	AUG 69	149 BLACK HILLS, SOUTH DAKOTA	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 2.2AV, COLOR 2448, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			3914 - 3923	1.120,000	YSL	
			3924 - 3935	1.120,000	YSL	
			3936 - 3949	1.120,000	YSL	
			3950 - 3960	1.120,000	YSL	
VR-22-EJ-195-00432	AUG 69	195 BROOKINGS, SOUTH DAKOTA	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 2.2AV, COLOR 2448, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			3961 - 3973	1.120,000	YSL	
			3974 - 3987	1.120,000	YSL	
			3988 - 4001	1.120,000	YSL	
			4002 - 4016	1.120,000	YSL	
VR-22-EJ-149-00433	AUG 69	149 BLACK HILLS, SOUTH DAKOTA	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 500 MICROMETER, COLOR IR SIGHT, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			4253 - 4262	1.120,000	YSL	
			4263 - 4274	1.120,000	YSL	
			4275 - 4288	1.120,000	YSL	
			4289 - 4299	1.120,000	YSL	
VR-22-EJ-195-00434	AUG 69	195 BROOKINGS, SOUTH DAKOTA	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 500 MICROMETER, COLOR IR SIGHT, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			4300 - 4312	1.120,000	YSL	
			4313 - 4326	1.120,000	YSL	
			4327 - 4341	1.120,000	YSL	
			4342 - 4356	1.120,000	YSL	
VR-22-EJ-186-00435	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 2.2AV, 2448, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			4161 - 4166	1.120,000	YSL	
			4167 - 4173	1.120,000	YSL	
			4174 - 4179	1.120,000	YSL	
VR-22-EJ-186-00436	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 500 MICROMETER, COLOR IR SIGHT, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			4496 - 4503	1.120,000	YSL	
			4504 - 4509	1.120,000	YSL	
			4510 - 4515	1.120,000	YSL	
VR-22-EJ-011-00437	AUG 69	011 YELLOWSTONE PARK	EXPOSURE NUMBERS ALTITUDE	101	RC-8, 2.2AV, 2448, 6 IN.	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
			4180 - 4192	1.120,000	YSL	
			4193 - 4206	1.120,000	YSL	
			4207 - 4219	1.120,000	YSL	
			4220 - 4232	1.120,000	YSL	
			4233 - 4344	1.120,000	YSL	
			4245 - 4258	1.120,000	YSL	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-EJ-011-00438	09	AUG 69	C11 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE SCALE	101 RC-8, 500 MICROMETER, COLOR IR S0117, 6 IN. REMARKS
	5 1	4514 - 4528	60,000 YSL	1.120,000	
	5 2	4529 - 4542	60,000 YSL	1.120,000	
	5 3	4543 - 4555	60,000 YSL	1.120,000	
	5 4	4556 - 4568	60,000 YSL	1.120,000	
	5 5	4569 - 4580	60,000 YSL	1.120,000	
	5 6	4581 - 4594	60,000 YSL	1.120,000	
VR-22-EJ-030-00439	10	AUG 69	030 TUCSON/AJO, ARIZONA LINE EXPOSURE NUMBERS	ALTITUDE SCALE	101 RC-8, 2.2AV, 2448, 6 IN. REMARKS
	7 1	4286 - 4313	60,000 YSL	1.120,000	
	7 2	4314 - 4337	60,000 YSL	1.120,000	
	7 3	4338 - 4361	60,000 YSL	1.120,000	
	7 4	4362 - 4385	60,000 YSL	1.120,000	
	7 5	4386 - 4410	60,000 YSL	1.120,000	
	7 6	4411 - 4435	60,000 YSL	1.120,000	
VR-22-EJ-030-00440	10	AUG 69	030 TUCSON/AJO, ARIZONA LINE EXPOSURE NUMBERS	ALTITUDE SCALE	101 RC-8, 500 MICROMETER, COLOR IR S0117, 6 IN. REMARKS
	7 1	4622 - 4649	60,000 YSL	1.120,000	
	7 2	4650 - 4673	60,000 YSL	1.120,000	
	7 3	4674 - 4697	60,000 YSL	1.120,000	
	7 4	4698 - 4721	60,000 YSL	1.120,000	
	7 5	4722 - 4746	60,000 YSL	1.120,000	
	7 6	4747 - 4771	60,000 YSL	1.120,000	
VR-22-EJ-105-00441	11	AUG 69	105 WEST, BONANZA AREA, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE SCALE	101 RC-8, 2.2AV, COLOR 2448, 6 IN. REMARKS
	5 1	4542 - 4553	60,000 YSL	1.120,000	
	5 2	4554 - 4574	60,000 YSL	1.120,000	
	5 3	4575 - 4594	60,000 YSL	1.120,000	
	5 4	4595 - 4615	60,000 YSL	1.120,000	
	5 5	4616 - 4638	60,000 YSL	1.120,000	
	5 6	4639 - 4666	60,000 YSL	1.120,000	
	5 7	4667 - 4689	60,000 YSL	1.120,000	
	5 8	4690 - 4713	60,000 YSL	1.120,000	
	5 9	4714 - 4735	60,000 YSL	1.120,000	
	5 10	4736 - 4760	60,000 YSL	1.120,000	
	5 11	4761 - 4768	60,000 YSL	1.120,000	
VR-22-EJ-105-00442	11	AUG 69	105 WEST, BONANZA AREA, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE SCALE	101 RC-8, 500 MICROMETER, COLOR IR S0117, 6 IN. REMARKS
	1 1	4878 - 4889	60,000 YSL	1.120,000	
	1 2	4890 - 4910	60,000 YSL	1.120,000	
	1 3	4911 - 4930	60,000 YSL	1.120,000	
	1 4	4931 - 4951	60,000 YSL	1.120,000	
	1 5	4952 - 4974	60,000 YSL	1.120,000	
	1 6	4975 - 5002	60,000 YSL	1.120,000	
	1 7	5003 - 5025	60,000 YSL	1.120,000	
	1 8	5026 - 5049	60,000 YSL	1.120,000	
	1 9	5050 - 5071	60,000 YSL	1.120,000	
	1 10	5072 - 5096	60,000 YSL	1.120,000	
	1 11	5097 - 5115	60,000 YSL	1.120,000	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
NR-22-EJ-105-00443 12 ROLL	AUG 69	105 EAST, BONANZA AREA, COLORADO LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.120,000 60,000 MSL	RC-B, 2.2AV, CO102 2448, 6 IN. CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS.
6 11 4782 - 4805			60,000 MSL	1.120,000	CLOUD COVER APPROXIMATELY 50 PER CENT CIRRUS.
6 12 4806 - 4830			60,000 MSL	1.120,000	CLOUD COVER APPROXIMATELY 80 PER CENT CIRRUS AND
6 13 4831 - 4834			60,000 MSL	1.120,000	CUMULUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
NR-22-EJ-105-00444 12 ROLL	AUG 69	105 EAST, BONANZA AREA, COLORADO LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.120,000 60,000 MSL	RC-B, 500 MICROMETER, COLOR IR SO117, 6 IN. CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS.
11 11 5117 - 5140			60,000 MSL	1.120,000	CLOUD COVER APPROXIMATELY 50 PER CENT CIRRUS.
11 12 5141 - 5165			60,000 MSL	1.120,000	CLOUD COVER APPROXIMATELY 80 PER CENT CIRRUS AND
11 13 5166 - 5169			60,000 MSL	1.120,000	CUMULUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
NR-22-JJ-007-00445 16 ROLL	JUL 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.120,000 60,000 MSL	RC-A, 450 MICROMETER, D-500, 6 IN. REMARKS
1 3 3373 - 3406			60,000 MSL	1.120,000	REMARKS
1 4 3407 - 3444			60,000 MSL	1.120,000	MOUTH OF COLUMBIA RIVER
1 5 3444 - 3448			60,000 MSL	1.120,000	NORTH TO SOUTH OVER OCEAN
1 6 3449 - 3484			60,000 MSL	1.120,000	SOUTH TO NORTH OVER OCEAN
1 7 3485 - 3495			60,000 MSL	1.120,000	MOUTH OF COLUMBIA RIVER
NR-22-JJ-007-00446 16 ROLL	JUL 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.120,000 60,000 MSL	RC-B, 2.2AV, 2448, 6 IN. REMARKS
1 2 2985 - 3017			60,000 MSL	1.120,000	CLOUD COVER
1 3 3018 - 3025			60,000 MSL	1.120,000	CLOUD COVER
1 4 3056 - 3092			60,000 MSL	1.120,000	MOUTH OF COLUMBIA RIVER
1 5 3097 - 3133			60,000 MSL	1.120,000	NORTH TO SOUTH OVER OCEAN
1 6 3134 - 3171			60,000 MSL	1.120,000	SOUTH TO NORTH OVER OCEAN
1 7 3172 - 3204			60,000 MSL	1.120,000	NORTH TO SOUTH OVER OCEAN
NR-22-EK-039-00447 27 ROLL	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.13,000 5,500 MSL	RC-B, ANTI-VIGN, 2448, 6 IN. REMARKS
2 1 3855 - 3881			5,500 MSL	1.13,000	MAG. HEADING 30° DEGREE,
2 2 3882 - 3907			5,500 MSL	1.13,000	MAG. HEADING 129 DEGREE,
2 2 3908 - 3928			5,500 MSL	1.13,000	MAG. HEADING 120 DEGREE,
3 1 4116 - 4156			5,500 MSL	1.13,000	MAG. HEADING 231 DEGREE, MAP NOS. NL 12-9, NL 12-12.
NR-22-EK-039-00448 27 ROLL	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1.13,000 6,500 MSL	RC-B, WRATTEN 16, SO217, 6 IN. REMARKS
2 1 9836 - 9839			6,500 MSL	1.13,000	MAG. HEADING 30° DEGREE,
2 2 9837 - 9862			6,500 MSL	1.13,000	MAG. HEADING 129 DEGREE,
2 2 9863 - 9883			6,500 MSL	1.13,000	MAG. HEADING 120 DEGREE,
3 1 0070 - 0090			6,500 MSL	1.13,000	MAG. HEADING 231 DEGREE, MAP NOS. NL 12-9, NL 12-12.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-22-5J-011-00449 27	AUG 69	011 YELLOWSTONE NATIONAL PARK	EXPOSURE NUMBERS ALTITUDE	SCALE 102	RC-8, ANTI-VIGN. 2448, 6 IN. REMARKS
ROLL 3	LINE 13	4022 - 4056	5,000 MSL	1.10,000	MAG, HEADING 330 DEGREE,
3	12	4037 - 4048	5,000 MSL	1.10,000	MAG, HEADING 350 DEGREE,
3	9	4049 - 4062	5,000 MSL	1.10,000	MAG, HEADING 270 DEGREE,
3	11	4063 - 4075	5,000 MSL	1.10,000	MAG, HEADING 200 DEGREE,
3	10	4074 - 4088	5,000 MSL	1.10,000	MAG, HEADING 004 DEGREE,
MAP NOS. NL 12-a, VL 12-11, NL 12-9, VL 12-12.					
VR-22-5J-011-00450 27	AUG 69	011 YELLOWSTONE NATIONAL PARK	EXPOSURE NUMBERS ALTITUDE	SCALE 102	RC-8, WRATTEN 15, SO117, 6 IN. REMARKS
ROLL 3	LINE 13	9975 - 9989	5,000 MSL	1.10,000	MAG, HEADING 330 DEGREE,
3	12	9990 - 0001	5,000 MSL	1.10,000	MAG, HEADING 350 DEGREE,
3	9	0002 - 0015	5,000 MSL	1.10,000	MAG, HEADING 270 DEGREE,
3	11	0016 - 0026	5,000 MSL	1.10,000	MAG, HEADING 200 DEGREE,
3	10	0027 - 0042	5,000 MSL	1.10,000	MAG, HEADING 004 DEGREE,
MAP NOS. NL 12-a, VL 12-11, NL 12-9, VL 12-12.					
VR-22-5J-186-00451 27	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS ALTITUDE	SCALE 102	RC-8, ANTI-VIGN. 2448, 6 IN. REMARKS
ROLL 2	LINE 1	3929 - 3947	6,500 MSL	1.13,000	MAG, HEADING 234 DEGREE,
2	2	3950 - 3966	6,500 MSL	1.13,000	MAG, HEADING 43 DEGREE,
2	3	3967 - 3980	6,500 MSL	1.13,000	MAG, HEADING 234 DEGREE,
3	4	3991 - 4004	6,500 MSL	1.13,000	MAG, HEADING 314 DEGREE,
3	5	4005 - 4021	6,500 MSL	1.13,000	MAG, HEADING 311 DEGREE,
3	1	4089 - 4107	6,500 MSL	1.13,000	MAG, HEADING 307 DEGREE,
3	4	4108 - 4115	6,500 MSL	1.13,000	MAG, HEADING 307 DEGREE,
MAP NO. NK 13-14.					
VR-22-5J-186-00452 27	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS ALTITUDE	SCALE 102	RC-8, WRATTEN 15, SO117, 6 IN. REMARKS
ROLL 2	LINE 1	9884 - 9902	6,500 MSL	1.13,000	MAG, HEADING 234 DEGREE,
2	2	9905 - 9921	6,500 MSL	1.13,000	MAG, HEADING 43 DEGREE,
2	3	9922 - 9942	6,500 MSL	1.13,000	MAG, HEADING 234 DEGREE,
2	4	9944 - 9957	6,500 MSL	1.13,000	MAG, HEADING 314 DEGREE,
3	5	9958 - 9974	6,500 MSL	1.13,000	MAG, HEADING 311 DEGREE,
3	1	0043 - 0061	6,500 MSL	1.13,000	MAG, HEADING 307 DEGREE,
3	4	0062 - 0069	6,500 MSL	1.13,000	MAG, HEADING 307 DEGREE,
MAP NOS. NL 13-14.					
VR-22-FK-197-00453 27	AUG 69	197 CHIPPEWA NATIONAL FOREST	EXPOSURE NUMBERS ALTITUDE	SCALE 102	RC-8, ANTI-VIGN. 2448, 3 IN. REMARKS
ROLL 1	LINE 1	3551 - 3652	3,500 MSL	1.7,000	MAG, HEADING 260 DEGREE, FLIGHT NO. 2.
1	1	3653 - 3716	3,500 MSL	1.7,000	MAG, HEADING 274 DEGREE, FLIGHT NO. 3.
1	1	3718 - 3746	2,000 MSL	1.4,000	MAG, HEADING 104 DEGREE, APPROXIMATELY 1A PER CENT CLOUD COVER AND HEAVY HAZE.
1	1	3747 - 3760	10,000 MSL	1.20,000	MAG, HEADING 274 DEGREE, CLOUD COVER, APPROX. 10-50 PER CENT ALONG FLIGHT LINE.
1	1	3761 - 3850	20,000 MSL	1.40,000	MAG, HEADING 272 DEGREE, 3763 AND 3851 ARE TEST FRAMES.
2	1	3764 - 3850	3,500 MSL	1.7,000	FLIGHT NO. 4.
2	1		3,500 MSL	1.7,000	MAP NOS. NL 15-6, VL 15-2.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION			
					EXPOSURE NUMBERS	ALTITUDE	SCALE	REMARKS
VR-22-EK-197-00454	26	AUG 69	197 CHIPPEWA NATIONAL FOREST	102	RC-8, WRATTEN 15, SO117, 6 IN.			
		LINE 1	EXPOSURE NUMBERS 9507 - 9546 9589 - 9670		3,500 MSL 3,500 MSL 2,000 MSL	1.7,000 1.7,000 1.4,000	MAG. HEADING 26A DEGREE, MAG. HEADING 274 DEGREE, MAG. HEADING 104 DEGREE,	FLIGHT NO. 2. APPROXIMATELY IN PER CENT CLOUD COVER AND HEAVY HAZE.
		1	9672 - 9730		10,000 MSL	1.20,000		CLOUD COVER, APPROX 274 DEGREE.
		1	9731 - 9716		20,000 MSL	1.40,000		CLOUD COVER, APPROX 250 PER CENT ALONG FLIGHT LINE. MAG. HEADING 22 DEGREE.
		2	9719 - 9805		3,500 MSL 3,500 MSL	1.7,000 1.7,000	FLIGHT NO. 4	MAP NOS. NL 15-4, NJ 15-2.
VR-22-EJ-085-00455	28	AUG 69	085 LAWRENCE, KANSAS	102	RC-8, ANTI-VIGN. 2448, 6 IN.			
		ROLL LINE 16	EXPOSURE NUMBERS 4139 - 4162		10,000 MSL	1.20,000		REMARKS
		3	4163 - 4190		10,000 MSL	1.20,000		
		4	4193 - 4216		10,000 MSL	1.20,000		
		4+13	4217 - 4245		10,000 MSL	1.20,000		
		4	4246 - 4273		10,000 MSL	1.20,000		
VR-22-EJ-085-00456	28	AUG 69	085 LAWRENCE, KANSAS	102	RC-8, WRATTEN 15, SO117, 6 IN.			
		ROLL LINE 16	EXPOSURE NUMBERS 0093 - 0116		10,000 MSL	1.20,000		REMARKS
		3	0117 - 0143		10,000 MSL	1.20,000		
		4	0146 - 0169		10,000 MSL	1.20,000		
		4+13	0170 - 0198		10,000 MSL	1.20,000		
		4	0199 - 0226		10,000 MSL	1.20,000		
VR-22-EJ-076-00457	04	SEP 69	076 GARDEN CITY, KANSAS	102	RC-8, HF-3 ANTI-VIGN. 2448, 6 IN.			
		ROLL LINE 10	EXPOSURE NUMBERS 4475 - 4487		20,000 MSL	1.40,000		REMARKS
		5	4488 - 4498		20,000 MSL	1.40,000		
		5	4499 - 4512		20,000 MSL	1.40,000		
		5	4514 - 4526		20,000 MSL	1.40,000		
		5	4527 - 4539		20,000 MSL	1.40,000		
		5	4541 - 4552		20,000 MSL	1.40,000		
		5	4555 - 4606		3,000 MSL	1.6,000		
		5	4607 - 4658		3,000 MSL	1.6,000		
		6	4662 - 474		3,000 MSL	1.6,000		
		6	4725 - 479		3,000 MSL	1.6,000		
		6	4780 - 4861		3,000 MSL	1.6,000		
		7	4918 - 4948		3,000 MSL	1.6,000		
		7	4949 - 5022		3,000 MSL	1.6,000		
		7	5024 - 5096		3,000 MSL	1.6,000		
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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-22-EJ-076-00498	04 SEP 69	076 GARDEN CITY, KANSAS LINE EXPOSURE NUMBERS ROLL 10 0262 - C2/4	ALITUDE 20,000 MS-	SCALE 1.40,000	102 RC-6, WRATTEN 15, SO-117, A IN. MAG, HEADING 34N DEGREE, MAP NOS, NJ 14-4, VJ 14-7, RC-612 FRAME 02A8 CAMERA TEST. MAG. HEADING 548 DEGREE.
VR-23-EJ-002-00001	11 FEB 65	002 PISGAH CRATER, CALIFORNIA		5 RECONOFAX IV	70 MM 100
VR-23-EJ-022-00002	11 FEB 65	022 TONOPAH, NEVADA		5 RECONOFAX IV	70 MM 100
VR-23-EJ-006-00003	11 FEB 65	006 SALT LAKE, UTAH		5 RECONOFAX IV	70 MM 100
VR-23-EJ-002-00004	11 FEB 65	002 PISGAH CRATER, CALIFORNIA		5 RECONOFAX IV	70 MM 150
VR-23-EJ-022-00005	11 FEB 65	022 TONOPAH, NEVADA		5 RECONOFAX IV	70 MM 150
VR-23-EJ-006-00006	11 FEB 65	006 SALT LAKE, UTAH		5 RECONOFAX IV	70 MM 150
VR-23-EJ-002-00007	16 FEB 65	002 PISGAH CRATER, CALIFORNIA		5 RECONOFAX IV	70 MM 100
VR-23-EJ-022-00008	16 FEB 65	022 TONOPAH, NEVADA		5 RECONOFAX IV	70 MM 100
VR-23-EJ-006-00009	16 FEB 65	006 SALT LAKE, UTAH		5 RECONOFAX IV	70 MM 100
VR-23-EJ-007-00010	26 FEB 65	087 GOOSE BAY, LABRADOR		5 RECONOFAX IV	70 MM 100
VR-23-EJ-024-00011	3-4 JUN 65	024 SAN ANDREAS FAULT, CALIFORNIA		6 RECONOFAX IV	70 MM 75
VR-23-EJ-003-00012	3-4 JUN 65	003 MONO CHATTERS, CALIFORNIA		6 RECONOFAX IV	70 MM 75
VR-23-EJ-020-00013	3-4 JUN 65	020 BUCKS LAKE, CALIFORNIA		6 RECONOFAX IV	70 MM 75
VR-23-EJ-049-00014	3-4 JUN 65	049 DAVIS, CALIFORNIA		6 RECONOFAX IV	70 MM 75
VR-23-EJ-048-00015	3-4 JUN 65	048 SAN PABLO RESERVOIR, CALIFORNIA		6 RECONOFAX IV	70 MM 75
VR-23-00-000-00016	30 JUN 65	000 TEST FLIGHT		12 RECONOFAX IV	70 MM 50
VR-23-EJ-031-00017	30 JUN 65	031 WILLCOX DRY LAKE, ARIZONA		12 RECONOFAX IV	70 MM 10
VR-23-00-000-00018	30 JUN 65	000 TEST FLIGHT		12 RECONOFAX IV	70 MM 50
VR-23-EJ-031-00019	1-2 JUL 65	031 WILLCOX DRY LAKE, ARIZONA		12 RECONOFAX IV	70 MM 50

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION		MISSION
				12	RECONOFAX IV	
VR-23-2H-032-00020	1-2 JUL 65	032 WESLACO, TEXAS		12	RECONOFAX IV	70 NM 50
VR-23-2J-029-00021	1-2 JUL 65	029 PHOENIX, ARIZONA		12	RECONOFAX IV	70 NM 50
VR-23-2H-032-00022	1-2 JUL 65	032 WESLACO, TEXAS		12	RECONOFAX IV	70 NM 15
VR-23-2J-031-00023	1-2 JUL 65	031 WILLCOX DRY LAKE, ARIZONA		12	RECONOFAX IV	70 NM 15
VR-23-2K-040-00024	23 SEP 65	040 CASCADE MOUNTAINS, WASHINGTON		13	RECONOFAX IV	70 NM 100
VR-23-2K-040-00025	7 OCT 65	040 CASCADE MOUNTAINS, WASHINGTON		13	RECONOFAX IV	70 NM 40
VR-23-2J-007-00026	7 OCT 65	007 COAST RANGE, OREGON/WASHINGTON		13	RECONOFAX IV	70 NM 40
VR-23-2K-040-00027	7 OCT 65	040 CASCADE MOUNTAINS, WASHINGTON		13	RECONOFAX IV	70 NM 50
VR-23-2J-007-00028	7 OCT 65	007 COAST RANGE, OREGON/WASHINGTON		13	RECONOFAX IV	70 NM 50
VR-23-2K-040-00029	7 OCT 65	040 CASCADE MOUNTAINS, WASHINGTON		13	RECONOFAX IV	70 NM 25
VR-23-2J-00030	7 OCT 65	007 COAST RANGE, OREGON/WASHINGTON		13	RECONOFAX IV	70 NM 25
VR-23-2J-00031	20-22 DEC 65	031 WILLCOX DRY LAKE, ARIZONA		15	RECONOFAX IV	70 NM 20
VR-23-2H-032-00032	20-22 DEC 65	032 WESLACO, TEXAS		15	RECONOFAX IV	70 NM 20
VR-23-2H-032-00033	5 JAN 66	032 WESLACO, TEXAS		17	RECONOFAX IV	70 NM 15
VR-23-2J-031-00034	12 JAN 66	031 WILLCOX DRY LAKE, ARIZONA		16	RECONOFAX IV	70 NM 50
VR-23-2J-015-00035	12 JAN 66	015 TWIN BUTTES, ARIZONA		16	RECONOFAX IV	70 NM 50
VR-23-2J-027-00036	12 JAN 66	027 SALTCA SEA, CALIFORNIA		16	RECONOFAX IV	70 NM 50
VR-23-2J-028-00037	12 JAN 66	028 WINSLOW, ARIZONA		16	RECONOFAX IV	70 NM 50
VR-23-2J-031-00038	12 JAN 66	031 MESOLITE SEDIMENTARY, ARIZONA		16	RECONOFAX IV	70 NM 50
VR-23-2K-040-00039	6 APR 66	040 CASCADE MOUNTAINS, WASHINGTON		21	RECONOFAX IV	70 NM 40
VR-23-2J-003-00040	6 APR 66	003 MONO CRATERS, CALIFORNIA		21	RECONOFAX IV	70 NM 40
VR-23-2J-002-00041	6 APR 66	002 PISGAH CRATER, CALIFORNIA		21	RECONOFAX IV	70 NM 40

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-23-EJ-101-00042	6 APR 66	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	21	RECONOFAX IV
VR-23-EJ-071-00043	6 APR 66	071	HOPI BUTTES, ARIZONA	21	RECONOFAX IV
VR-23-EJ-114-00044	6 APR 66	114	WHITE SANDS, NEW MEXICO	21	RECONOFAX IV
VR-23-JK-087-00045	25 APR 66	087	GOOSE BAY, LABRADOR	22	RECONOFAX IV
VR-23-JK-087-00046	26 APR 66	087	GOOSE BAY, LABRADOR	22	RECONOFAX IV
VR-23-GJ-046-00047	19 MAY 66	046	ASHVILLE, NORTH CAROLINA	23	RECONOFAX IV
VR-23-H-032-00048	16 MAY 66	032	WESLACO, TEXAS	24	RECONOFAX IV
VR-23-GJ-043-00049	29 JUN 66	043	CHICAGO, ILLINOIS	25	RECONOFAX IV
VR-23-GJ-043-00050	29 JUN 66	043	CHICAGO, ILLINOIS	25	RECONOFAX IV
VR-23-GJ-043-00051	30 JUN 66	043	CHICAGO, ILLINOIS	25	RECONOFAX IV
VR-23-GH-126-00052	6 JUL 66	126	MISSISSIPPI DELTA, LOUISIANA	26	RECONOFAX IV
VR-23-GH-126-00053	6 JUL 66	126	MISSISSIPPI DELTA, LOUISIANA	26	RECONOFAX IV
VR-23-GH-126-00054	6 JUL 66	126	MISSISSIPPI DELTA, LOUISIANA	26	RECONOFAX IV
VR-23-GH-126-00055	6 JUL 66	126	MISSISSIPPI DELTA, LOUISIANA	26	RECONOFAX IV
VR-23-EH-032-00056	6 JUL 66	032	WESLACO, TEXAS	27	RECONOFAX IV
VR-23-EJ-024-00057	1 AUG 66	024	SAN ANDREAS FAULT, CALIFORNIA	28	RECONOFAX IV
VR-23-EJ-114-00058	1 AUG 66	114	WHITE SANDS, NEW MEXICO	28	RECONOFAX IV
VR-23-EJ-110-00059	1 AUG 66	130	SOUTHERN CALIFORNIA	28	RECONOFAX IV
VR-23-EJ-130-00060	12 AUG 66	130	SOUTHERN CALIFORNIA	29	RECONOFAX IV
VR-23-EJ-003-00061	3 SEP 66	003	MONO CRATERS, CALIFORNIA	30	RECONOFAX IV
VR-23-EJ-019-00062	3 SEP 66	019	SONORA PASS, CALIFORNIA	30	RECONOFAX IV
VR-23-EJ-020-00063	3 SEP 66	020	BUCKS LAKE, CALIFORNIA	30	RECONOFAX IV

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					RECONOFAX IV	TX-475
VR-23-EJ-052-00064	3 SEP 66	092	NEVADA AEC	30	RECONOFAX IV	70 MM 50
VR-23-EJ-043-00065	15 SEP 66	043	CHICAGO, ILLINOIS	31	RECONOFAX IV	70 MM 25
VR-23-EJ-011-00066	23 SEP 66	011	YELLOWSTONE NATIONAL PARK, WYOMING / MONTANA/IDAHO	32	RECONOFAX IV	70 MM 50
VR-23-EJ-C46-F2067	10-14 OCT 66	046	ASHEVILLE, NORTH CAROLINA	34	RECONOFAX IV	70 MM 100
VR-23-3H-099-00063	10-14 OCT 66	099	FLORIDA STRAITS	34	RECONOFAX IV	70 MM 100
VR-23-4J-138-00069	10-14 OCT 66	138	GULFSTREAM NORTH	34	RECONOFAX IV	70 MM 100
VR-23-2-032-00070	5 DEC 66	032	WESLACO, TEXAS	35	RECONOFAX IV	70 MM 20
VR-23-GH-095-00071	9 DEC 66	095	EVERGLADES, FLORIDA	36	RECONOFAX IV	70 MM 25
VR-23-3H-098-00072	9 DEC 66	098	HOMESTEAD, FLORIDA	36	RECONOFAX IV	70 MM 25
VR-23-EJ-102-00073	9 DEC 66	102	STATENVILLE/LAKE CITY, FLORIDA, PHOSPHATE	36	RECONOFAX IV	70 MM 25
VR-23-3H-103-00074	9 DEC 66	103	CRYSTAL RIVER, FLORIDA	36	RECONOFAX IV	70 MM 25
VR-23-GH-104-00075	9 DEC 66	104	WAUCHALA/TAMPA, FLORIDA	36	RECONOFAX IV	70 MM 25
VR-23-GH-099-00076	21 FEB 67	099	FLORIDA STRAITS	40	RECONOFAX IV	70 MM 60
VR-23-3H-128-00077	24 FEB 67	128	MISSISSIPPI DELTA, LOUISIANA	41	RECONOFAX IV	70 MM 200
VR-23-EJ-014-00078	14-17 MAR 67	014	LITTLE URAGOON MOUNTAINS, ARIZONA	43	RECONOFAX IV	70 MM 15
VR-23-EJ-029-00079	14-17 MAR 67	029	PHOENIX, ARIZONA	43	RECONOFAX IV	70 MM 15
VR-23-EJ-101-00080	14-17 MAR 67	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	43	RECONOFAX IV	70 MM 15
VR-23-EJ-114-00081	14-17 MAR 67	114	WHITE SANDS, NEW MEXICO	43	RECONOFAX IV	70 MM 15
VR-23-EJ-002-00082	24 MAR 67	002	PISGAH CRATER, CALIFORNIA	44	RECONOFAX IV	70 MM 76
VR-23-EJ-051-00083	24 MAR 67	051	MESOLITE SEDIMENTARY, ARIZONA	44	RECONOFAX IV	70 MM 76
VR-23-EJ-154-00085	24 MAR 67	154	AMBRO CRATER, CALIFORNIA	44	RECONOFAX IV	70 MM 76

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-23-GH-093-00086	12 JUN 67	095	EVERGLADES, FLORIDA	50	RECONOFAX IV TX-475
VR-23-3H-099-00087	12 JUN 67	099	FLORIDA STRAITS	50	RECONOFAX IV TX-475
VR-23-GH-108-00088	12 JUN 67	108	CUTLER AREA SUBMARINE SPRING, FLA.	50	RECONOFAX IV TX-475
VR-23-3H-128-00089	12 JUN 67	128	MISSISSIPPI DELTA, LOUISIANA	50	RECONOFAX IV TX-475
VR-23-ZJ-085-00090	3 AUG 67	085	LAWRENCE, KANSAS	54	RECONOFAX IV TX-475
VR-23-ZK-118-00091	3 AUG 67	118	MISSOURI RIVER, NORTH DAKOTA	54	RECONOFAX IV TX-475
VR-23-ZJ-144-00092	3 AUG 67	144	WISCONSIN SAND PLAINS	54	RECONOFAX IV TX-475
VR-23-3J-044-00093	4 AUG 67	044	PURDLE, INDIANA	54	RECONOFAX IV TX-475
VR-23-ZJ-044-00094	5 AUG 67	044	PURDLE, INDIANA	54	RECONOFAX IV TX-475
VR-23-ZJ-076-00095	5 AUG 67	076	GARDEN CITY, KANSAS	54	RECONOFAX IV TX-475
VR-23-ZK-156-00096	15 AUG 67	156	WIND RIVER, WASHINGTON	55	RECONOFAX IV TRI-X
VR-23-ZJ-007-00097	19 AUG 67	007	COAST RANGE, OREGON/WASHINGTON	55	RECONOFAX IV TRI-X
VR-23-ZJ-048-00098	19 AUG 67	048	SAN PABLO RESERVOIR, CALIFORNIA	55	RECONOFAX IV TRI-X
VR-23-ZJ-056-00099	19 AUG 67	056	MT. LASSEN, CALIFORNIA	55	RECONOFAX IV TRI-X
VR-23-3H-146-00100	18-21 SEP 67	146	ALAFIA AND PEACE RIVERS, FLORIDA	57	RECONOFAX IV TRI-X
VR-23-FW-158-00101	18-21 SEP 67	158	CORPUS CHRISTI, TEXAS/GULF OF MEXICO	57	RECONOFAX IV TRI-X
VR-23-ZJ-159-00102	18-21 SEP 67	159	HORSEFLY MOUNTAIN, OREGON	57	RECONOFAX IV TRI-X
VR-23-ZJ-020-00103	17-21 OCT 67	020	BUCKS LAKE, CALIFORNIA	59	RECONOFAX IV TRI-X
VR-23-ZJ-091-00104	17-21 OCT 67	051	MESQUITE SEDIMENTARY, ARIZONA	59	RECONOFAX IV TRI-X
VR-23-ZJ-135-00105	17-21 OCT 67	135	HARVEY VALLEY, CALIFORNIA	59	RECONOFAX IV TRI-X
VR-23-ZK-156-00106	17-21 OCT 67	156	WIND RIVER, WASHINGTON	59	RECONOFAX IV TRI-X
VR-23-ZJ-159-00107	17-21 OCT 67	159	HORSEFLY MOUNTAIN, OREGON	59	RECONOFAX IV TRI-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	HIGH SIGN	INSTRUMENT CONFIGURATION
VR-23-4J-086-00108	15 MAR 66	086 ARGUS ISLE, BERMUDA	20	RECONOFAX IV	70 NM 65
VR-23-4J-086-00109	15 MAR 66	086 ARGUS ISLE, BERMUDA	20	RECONOFAX IV	70 NM 60
VR-23-4J-138-00110	15 MAR 66	138 GULFSTREAM NORTH	20	RECONOFAX IV	70 NM 100
VR-23-5J-129-00111	13-17 NOV 67	129 ARKANSAS BASIN	61	RECONOFAX IV	70 NM 100
VR-23-5J-085-00112	13-17 NOV 67	085 LAWRENCE, KANSAS	61	RECONOFAX IV	70 NM 100
VR-23-5J-076-00113	13-17 NOV 67	076 GARDEN CITY, KANSAS	61	RECONOFAX IV	70 NM 100
VR-23-5J-079-00114	13-17 NOV 67	079 MATEAN, KENTUCKY	61	RECONOFAX IV	70 NM 100
VR-23-5J-141-00115	13-17 NOV 67	141 CHARLESTON/COLUMBIA, SOUTH CAROLINA	61	RECONOFAX IV	70 NM 100
VR-23-5H-032-00116	4 DEC 67	032 WESLACO, TEXAS	62	RECONOFAX IV	70 NM 30
VR-23-5H-132-00117	6 DEC 67	132 NEW ORLEANS, LOUISIANA	62	RECONOFAX IV	70 NM 25
VR-23-5J-133-00118	6 DEC 67	133 MICHIGAN, LOUISIANA	62	RECONOFAX IV	70 NM 25
VR-23-5J-134-00119	6 DEC 67	134 SLIDELL, LOUISIANA	62	RECONOFAX IV	70 NM 25
VR-23-5J-137-00120	6 DEC 67	137 MISSISSIPPI TEST FACILITY	62	RECONOFAX IV	70 NM 25
VR-23-5J-165-00121	5 JAN 68	165 DESERET/ST. MARKS, FLORIDA	964	RECONOFAX IV	70 NM 15
VR-23-6H-128-00122	9-10 FEB 68	128 MISSISSIPPI DELTA, LOUISIANA	66	RECONOFAX IV	70 NM 69
VR-23-6H-132-00123	9-10 FEB 68	132 NEW ORLEANS, LOUISIANA	66	RECONOFAX IV	70 NM 65
VR-23-5H-143-00124	9-10 FEB 68	163 BISCAYNE BAY, FLORIDA	66	RECONOFAX IV	70 NM 100
VR-23-5H-164-00125	9-10 FEB 68	164 BOCA RATON/BELLE GLADE, FLORIDA	66	RECONOFAX IV	70 NM 100
VR-13-5H-145-00126	27 FEB 68	145 GULF COAST SPRINGS	67	RECONOFAX IV	70 NM 70
VR-23-6H-146-00127	27 FEB 68	146 ALAFIA AND PEACE RIVERS, FLORIDA	67	RECONOFAX IV	70 NM 70
VR-23-6H-147-00128	27 FEB 68	147 LAKES/TAMPA, FLORIDA	67	RECONOFAX IV	70 NM 75
VR-23-5J-165-00129	27 FEB 68	165 DESERET/ST. MARKS, FLORIDA	67	RECONOFAX IV	70 NM 75

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS <sup>n</sup> SION	INSTRUMENT CONFIGURATION
VR-23-ZJ-041-00130	7 MAY 68	341	MESABI RANGE, MINNESOTA	72	RECONOFAX IV
VR-23-ZJ-044-00131	7 MAY 68	044	PURPLE, INDIANA	72	RECONOFAX IV
VR-23-ZK-126-00132	7 MAY 68	126	MARBLEITE/REPUBLIC TROUGHS, MICH.	72	RECONOFAX IV
VR-23-ZJ-167-00133	7 MAY 68	167	LAKE MICHIGAN	72	RECONOFAX IV
VR-23-ZJ-027-00134	21-24 MAY 68	027	SALTEN SEA, CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-130-00135	21-24 MAY 68	130	SOUTHERN CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-157-00136	21-24 MAY 68	157	BORREGO SPRINGS, CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-072-00137	20 MAY 68	072	COSO HOT SPRINGS, CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-020-00138	20 MAY 68	020	BUCKS LAKE, CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-048-00139	20 MAY 68	048	SAN FABLO RESERVOIR, CALIFORNIA	73	RECONOFAX IV
VR-23-ZJ-076-00140	17 JUN 68	076	GARDEN CITY, KANSAS	74	RECONOFAX IV
VR-23-ZJ-085-00141	18 JUN 68	085	LAWRENCE, KANSAS	74	RECONOFAX IV
VR-23-GJ-044-00142	18-19 JUN 68	044	PURPLE, INDIANA	74	RECONOFAX IV
VR-23-GJ-168-00143	20 JUN 68	168	PATUXENT RIVER, MARYLAND	74	RECONOFAX IV
VR-23-GH-162-00144	3 JUL 68	162	BAHAYA BANKS, FLORIDA	75	RECONOFAX IV
VR-23-ZJ-032-00145	8 JUL 68	032	WESLACO, TEXAS	75	RECONOFAX IV
VR-23-ZJ-022-00146	16-17 JUL 68	022	TONOPAH, NEVADA	76	RECONOFAX IV
VR-23-ZJ-075-00147	16-17 JUL 68	075	COLDFIELD, NEVADA	76	RECONOFAX IV
VR-23-ZJ-056-00148	18-19 JUL 68	056	MT. LASSEN, CALIFORNIA	76	RECONOFAX IV
VR-23-ZJ-076-00149	29 JUL 68	076	GARDEN CITY, KANSAS	77	RECONOFAX IV
VR-23-GJ-044-00150	30 JUL 68	044	PURPLE, INDIANA	77	RECONOFAX IV
VR-23-GJ-148-00151	1 AUG 68	148	LEHIGH RIVER, PENNSYLVANIA	77	RECONOFAX IV

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION NO.	INSTRUMENT CONFIGURATION
VR-23-GJ-174-00152	20 JUN 68	174 WALLOPS ISLAND, VIRGINIA		74	RECONOFAX IV TRI-X
VR-23-GH-146-00153	11 OCT 68	146 ALAFIA AND PEACE RIVERS, FLORIDA	A1	RECONOFAX IV TRI-X	
VR-23-GH-147-00154	11 OCT 68	147 LAKES/TAMPA, FLORIDA	B1	RECONOFAX IV TRI-X	
VR-23-GH-145-00155	11 OCT 68	145 GULF COAST SPRINGS	B1	RECONOFAX IV TRI-X	
VR-23-GH-132-00156	11 OCT 68	132 NEW ORLEANS, LOUISIANA	B1	RECONOFAX IV TRI-X	
VR-23-GH-163-00157	11 OCT 68	163 BISCAYNE BAY, FLORIDA	B1	RECONOFAX IV TRI-X	
VR-23-GJ-165-00158	11 OCT 68	165 DESERET/ST. MARKS, FLORIDA	A1	RECONOFAX IV TRI-X	
VR-23-GJ-161-00159	6 NOV 68	161 RARITAN RIVER, NEW JERSEY	B2	RECONOFAX IV TRI-X	
VR-23-GJ-152-00160	6 NOV 68	152 BARNEGAT BAY, NEW JERSEY	B2	RECONOFAX IV TRI-X	
VR-23-GH-176-00161	6 NOV 68	176 NEW ENGLAND	B2	RECONOFAX IV TRI-X	
VR-23-GH-147-00162	6 NOV 68	147 LAKES/TAMPA, FLORIDA	B2	RECONOFAX IV TRI-X	
VR-23-GH-171-00163	24 SEP 68	171 SABINE LAKE, LOUISIANA	A0	RECONOFAX IV TRI-X	
VR-23-GK-118-00164	26 SEP 68	118 MISSOURI RIVER, NORTH DAKOTA	A0	RECONOFAX IV TRI-X	
VR-23-GJ-076-00165	27 SEP 68	076 GARDEN CITY, KANSAS	B0	RECONOFAX IV TRI-X	
VR-23-GJ-178-00166	20 DEC 68	178 MILL CREEK, OKLAHOMA	A4	RECONOFAX IV TRI-X	
VR-23-FH-179-00167	23 DEC 68	179 LAGUNA MADRE/CORPUS CHRISTI, TEXAS	A4	RECONOFAX IV TRI-X	
VR-23-GH-146-00168	13-15 JAN 69	146 ALAFIA AND PEACE RIVERS, FLORIDA	A5	RECONOFAX IV TRI-X	
VR-23-GH-164-00169	13-15 JAN 69	164 BOCA RATON/BELLE GLADE, FLORIDA	A5	RECONOFAX IV TRI-X	
VR-23-GJ-165-00170	13-15 JAN 69	165 DESERET/ST. MARKS, FLORIDA	B5	RECONOFAX IV TRI-X	
VR-23-EJ-183-00171	27-28 JAN 69	183 LORDSBURG, NEW MEXICO	A6	RECONOFAX IV TRI-X	
VR-23-EJ-180-00172	29 JAN 69	180 GARNET MOUNTAIN, ARIZONA	A6	RECONOFAX IV TRI-X	
VR-24-GJ-043-00001	30 JUN 66	043 CHICAGO, ILLINOIS	25	AAS-5 TRI-X	
					35 MM 15

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-24-3H-126-00002	6 JUL 66	126	MISSISSIPPI DELTA, LOUISIANA	26	AAS-5 TR10X
VR-24-3H-032-00003	8 JUL 66	032	WESLACO, TEXAS	27	AAS-5 TR10X
VR-24-3J-024-00004	1 AUG 66	024	SAN ANDREAS FAULT, CALIFORNIA	28	AAS-5 JV
VR-24-3J-114-00005	1 AUG 66	114	WHITE SANDS, NEW MEXICO	28	AAS-5 JV
VR-24-3J-003-00006	2 AUG 66	003	MONO CRATERS, CALIFORNIA	30	AAS-5 35 MM
VR-24-3J-020-00007	2 AUG 66	020	BUCKS LAKE, CALIFORNIA	30	AAS-5 35 MM
VR-24-3J-019-00008	2 AUG 66	019	SONORA PASS, CALIFORNIA	30	AAS-5 35 MM
VR-24-3J-052-00009	2 AUG 66	052	NEVADA AEC	30	AAS-5 35 MM
VR-24-3J-043-00010	15 SEP 66	043	CHICAGO, ILLINOIS	31	AAS-5 TX-417
VR-24-3J-011-00011	23 SEP 66	011	YELLOWSTONE NATIONAL PARK, WYOMING/ MONTANA/IDAHO	32	AAS-5 TX-417
VR-24-3J-046-00012	10-14 OCT 66	'46	ASHEVILLE, NORTH CAROLINA	34	AAS-5 TX-417
VR-24-6H-039-00013	-3-14 OCT 66	039	FLORIDA STRAITS	34	AAS-5 TX-417
VR-24-4J-136-00014	10-14 OCT 66	136	CULFSTREAM NORTH	34	AAS-5 TX-417
VR-24-5H-032-00015	5 DEC 66	032	WESLACO, TEXAS	35	AAS-5 TX-417
VR-24-6H-095-00016	9 DEC 66	095	EVERGLADES, FLORIDA	36	AAS-5 TX-417
VR-24-3H-098-00017	9 DEC 66	098	HOMESTEAD, FLORIDA	36	AAS-5 TX-417
VR-24-6J-102-00018	9 DEC 66	102	STATEVILLE/LAKE CITY, FLORIDA, PHOSPHATE	36	AAS-5 TX-417
VR-24-6H-103-00019	9 DEC 66	103	CRYSTAL RIVER, FLORIDA	36	AAS-5 TX-417
VR-24-3H-104-00020	9 DEC 66	104	WAUCHALA/TAMPA, FLORIDA	36	AAS-5 TX-417
VR-24-6H-126-00021	14 DEC 66	126	MISSISSIPPI DELTA, LOUISIANA	37	AAS-5 TX-417
VR-24-3H-099-00022	21 FEB 67	099	FLORIDA STRAITS	40	AAS-5 TX-417

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					STATION	TX-417
VR-24-GH-128-00023	24 FEB 67	128	MISSISSIPPI DELTA, LOUISIANA	AAS-5		
VR-24-EJ-014-00024	19-17 MAR 67	014	LITTLE DRAGOON MOUNTAINS, ARIZONA	AAS-5		
VR-24-EJ-029-00025	14-17 MAR 67	029	PHOENIX, ARIZONA	AAS-5		
VR-24-EJ-101-00026	14-17 MAR 67	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	AAS-5		
VR-24-EJ-114-00027	14-17 MAR 67	114	WHITE SANDS, NEW MEXICO	AAS-5		
VR-24-EJ-002-00028	24 MAR 67	002	PISCATA CRATER, CALIFORNIA	AAS-5		
VR-24-EJ-051-00029	24 MAR 67	051	MESOLITE SEDIMENTARY, ARIZONA	AAS-5		
VR-24-EJ-052-00030	24 MAR 67	052	NEVADA AEC	AAS-5		
VR-24-EJ-154-00031	24 MAR 67	194	AMBRO CRATER, CALIFORNIA	AAS-5		
VR-24-GH-095-00032	12-15 JUN 67	095	EVERGLADES, FLORIDA	AAS-5		
VR-24-GH-099-00033	12-15 JUN 67	099	FLORIDA STRAITS	AAS-5		
VR-24-SH-108-00034	12-15 JUN 67	108	CUTLER AREA SUBMARINE SPRING, FLA.	AAS-5		
VR-24-SH-128-00035	12-15 JUN 67	128	MISSISSIPPI DELTA, LOUISIANA	AAS-5		
VR-24-SH-032-00036	7 JUL 67	032	WESLACO, TEXAS	AAS-5		
VR-24-EJ-044-00037	29 JUN 67	044	PURPLE, INDIANA	AAS-5		
VR-24-EJ-044-00038	5 AUG 67	044	PURPLE, INDIANA	AAS-5		
VR-24-EJ-076-00039	5 AUG 67	076	GARDEN CITY, KANSAS	AAS-5		
VR-24-EJ-085-00040	5 AUG 67	085	LAWRENCE, KANSAS	AAS-5		
VR-24-FK-118-00041	5 AUG 67	118	MISSOURI RIVER, NORTH DAKOTA	AAS-5		
VR-24-EJ-144-00042	5 AUG 67	144	WISCONSIN SAND PLAINS	AAS-5		
VR-24-EJ-007-00043	19 AUG 67	007	COAST RANGE, OREGON/WASHINGTON	AAS-5		
VR-24-EJ-048-00044	19 AUG 67	048	SAN PABLO RESERVOIR, CALIFORNIA	AAS-5		

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-24-3J-056-00045	19 AUG 67	056 MT. LASSEN, CALIFORNIA	55	AAS-5	TX-417
VR-24-3K-156-00046	19 AUG 67	156 WIND RIVER, WASHINGTON	55	AAS-5	TX-417
VR-24-3H-158-00047	20-22 SEP 67	198 CORPUS CHRISTI, TEXAS/GULF OF MEXICO	57	AAS-5	TRI-X
VR-24-3H-146-00048	20-22 SEP 67	146 ALAFIA AND PEACE RIVERS, FLORIDA	57	AAS-5	TRI-X
VR-24-3J-020-00049	17-18 OCT 67	020 BUCKS LAKE, CALIFORNIA	59	AAS-5	TRI-X
VR-24-3J-135-00050	17-18 OCT 67	135 HARVEY VALLEY, CALIFORNIA	59	AAS-5	TRI-X
VR-24-3J-129-00051	13-17 NOV 67	129 ARKANSAS BASIN	61	AAS-5	TRI-X
VR-24-3J-085-00052	13-17 NOV 67	085 LAWRENCE, KANSAS	61	AAS-5	TRI-X
VR-24-3J-076-00053	13-17 NOV 67	076 GARDEN CITY, KANSAS	61	AAS-5	TRI-X
VR-24-3J-079-00054	13-17 NOV 67	079 MATEWAN, KENTUCKY	61	AAS-5	TRI-X
VR-24-5H-032-00055	4 DEC 67	032 WESLACO, TEXAS	62	AAS-5	TRI-X
VR-24-GH-146-00056	27 FEB 68	146 ALAFIA AND PEACE RIVERS, FLORIDA	67	AAS-5	TRI-X
VR-24-3K-041-00057	7-9 MAY 68	041 MESABI RANGE, MINNESOTA	72	AAS-5	TRI-X
VR-24-6J-147-00058	7-9 MAY 68	167 LAKE MICHIGAN	72	AAS-5	TRI-X
VR-24-3J-027-00059	21-24 MAY 68	027 SALTON SEA, CALIFORNIA	73	AAS-5	TRI-X
VR-24-3J-130-00060	21-24 MAY 68	130 SOUTHERN CALIFORNIA	73	AAS-5	TRI-X
VR-24-3J-157-00061	21-24 MAY 68	157 BORREGO SPRINGS, CALIFORNIA	73	AAS-5	TRI-X
VR-24-3J-072-00062	26 MAY 68	072 COSO HOT SPRINGS, CALIFORNIA	73	AAS-5	TRI-X
VR-24-3J-020-00063	26 MAY 68	020 BUCKS LAKE, CALIFORNIA	73	AAS-5	TRI-X
VR-24-3J-076-00064	19 JUN 68	076 GARDEN CITY, KANSAS	74	AAS-5	TRI-X
VR-24-3J-085-00065	19 JUN 68	085 LAWRENCE, KANSAS	74	AAS-5	TRI-X
VR-24-3J-044-00066	18-19 JUN 68	044 PURDLE, INDIANA	74	AAS-5	TRI-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-24-H-032-00068	8 JUL 68	032	WESLACO, TEXAS	75	AAS-5 TRI-X
VR-24-EJ-022-00069	16 JUL 68	022	TONOPAH, NEVADA	76	AAS-5 TRI-X
VR-24-EJ-075-00070	16 JUL 68	075	GOLDFIELD, NEVADA	76	AAS-5 TRI-X
VR-24-EJ-076-00071	27 SEP 68	076	GARDEN CITY, KANSAS	80	AAS-5 TRI-X
VR-24-GH-146-00072	11 OCT 68	146	ALAFIA AND PEACE RIVERS, FLORIDA	81	AAS-5 TRI-X
VR-25-FH-032-00005	21 JUN 65	032	WESLACO, TEXAS	11	NIKON DATA PANEL
VR-25-EJ-031-00006	1 JUL 65	031	WILLCOX DRY LAKE, ARIZONA	12	NIKON DATA PANEL PLUS-X
VR-25-EJ-029-00007	1 JUL 65	029	PHOENIX, ARIZONA	12	NIKON DATA PANEL PLUS-X
VR-25-FH-032-00008	1 JUL 65	032	WESLACO, TEXAS	12	NIKON DATA PANEL PLUS-X
VR-25-EJ-014-00009	1 JUL 65	014	LITTLE DRAGOON MOUNTAINS, ARIZONA	12	NIKON DATA PANEL PLUS-X
VR-25-CJ-040-00010	23-24 SEP 65	040	CASCADE MOUNTAINS, WASHINGTON	13	NIKON DATA PANEL PLUS-X
VR-25-CJ-020-00011	26 SEP 65	020	EUREKA LAKE, CALIFORNIA	13	NIKON DATA PANEL PLUS-X
VR-25-CJ-048-00012	26 SEP 65	048	SAN PABLO RESERVOIR, CALIFORNIA	13	NIKON DATA PANEL PLUS-X
VR-25-CJ-049-00013	26 SEP 65	049	DAVIS, CALIFORNIA	13	NIKON DATA PANEL PLUS-X
VR-25-CJ-050-00014	26 SEP 65	050	DONNER PASS, CALIFORNIA	13	NIKON DATA PANEL PLUS-X
VR-25-EJ-003-00015	30 SEP 65	003	MONO CRATERS, CALIFORNIA	13	NIKON DATA PANEL PLUS-X
VR-25-EJ-004-00016	2 OCT 65	004	SONORA, ARIZONA	13	NIKON DATA PANEL PLUS-X
VR-25-CJ-046-00019	15 NOV 65	046	ASHEVILLE, NORTH CAROLINA	14	NIKON DATA PANEL PLUS-X
VR-25-CJ-043-0-J020	19 NOV 65	043	CHICAGO, ILLINOIS	14	NIKON DATA PANEL PLUS-X
VR-25-EJ-031-00021	18 DEC 65	031	WILLCOX DRY LAKE, ARIZONA	15	NIKON DATA PANEL PLUS-X
VR-25-EH-032-00022	22 DEC 65	032	WESLACO, TEXAS	16	NIKON DATA PANEL PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-25-EH-032-00023	5 JAN 66	032	WESLACO, TEXAS	17	NIKON DATA PANEL PLUS-X
VR-25-EJ-031-00024	7-8 JAN 66	031	WILLCOX URY LAKE, ARIZONA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-028-00025	7-8 JAN 66	028	WINSLOW, ARIZONA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-051-00026	8-9 JAN 66	051	MEGOLITE SEDIMENTARY, ARIZONA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-015-00027	8-9 JAN 66	015	TWIN BUTTES, ARIZONA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-015-00028	10 JAN 66	015	TWIN BUTTES, ARIZONA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-027-00029	10 JAN 66	027	SALTEN SEA, CALIFORNIA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-027-00030	12 JAN 66	027	SALTEN SEA, CALIFORNIA	18	NIKON DATA PANEL PLUS-X
VR-25-EJ-029-00031	15 FEB 66	029	PHOENIX, ARIZONA	19	NIKON DATA PANEL PLUS-X
VR-25-EJ-016-00032	6 MAR 66	086	ARGUS ISLE, BERMUDA	20	NIKON DATA PANEL PLUS-X
VR-25-EJ-016-00033	7-8 MAR 66	086	ARGUS ISLE, BERMUDA	20	NIKON DATA PANEL PLUS-X
VR-25-EJ-016-00034	9-10 MAR 66	086	ARGUS ISLE, BERMUDA	20	NIKON DATA PANEL PLUS-X
VR-25-EJ-014-00035	10-11 MAR 66	086	ARGUS ISLE, BERMUDA	20	NIKON DATA PANEL PLUS-X
VR-25-EJ-114-00036	2 APR 66	114	WHITE SANDS, NEW MEXICO	21	NIKON DATA PANEL PLUS-X
VR-25-EJ-101-00037	2 APR 66	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	21	NIKON DATA PANEL PLUS-X
VR-25-JK-040-00038	4-5 APR 66	040	CASCADE MOUNTAINS, WASHINGTON	21	NIKON DATA PANEL PLUS-X
VR-25-EJ-003-00039	4-5 APR 66	003	MONO CRATERS, CALIFORNIA	21	NIKON DATA PANEL PLUS-X
VR-25-EJ-002-00040	5 APR 66	002	PISGAH CRATER, CALIFORNIA	21	NIKON DATA PANEL PLUS-X
VR-25-EH-032-00041	14 MAY 66	032	WESLACO, TEXAS	24	NIKON DATA PANEL PLUS-X
VR-25-EJ-043-00042	30 JUN 66	043	CHICAGO, ILLINOIS	25	NIKON DATA PANEL PLUS-X
VR-25-3J-000-00043	30 JUN 66	000	MISSISSIPPI VALLEY, MISSOURI/TENN.	25	NIKON DATA PANEL PLUS-X
VR-25-3H-120-00044	6 JUL 66	120	MISSISSIPPI DELTA, LOUISIANA	26	NIKON DATA PANEL PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION	
				MISSION	STATION
VR-25-FH-032-00045	8 JUL 66	032 WESLACO, TEXAS		27 NIKON DATA PANEL PLUS-X	35 MM 50
VR-25-EJ-024-00046	29 JUL 66	024 SAN ANDREAS FAULT, CALIFORNIA		28 NIKON DATA PANEL PLUS-X	9-1/2 IN. 40
VR-25-EJ-114-00047	29 JUL 66	114 WHITE SANDS, NEW MEXICO		28 NIKON DATA PANEL PLUS-X	9-1/2 IN. 40
VR-25-EJ-130-00048	29 JUL 66	130 SOUTHERN CALIFORNIA		28 NIKON DATA PANEL PLUS-X	9-1/2 IN. 40
VR-25-EJ-130-00049	11 AUG 66	130 SOUTHERN CALIFORNIA		29 NIKON DATA PANEL PLUS-X	35 MM 50
VR-25-EJ-135-00050	30 AUG 66	135 HARVEY VALLEY, CALIFORNIA		30 NIKON DATA PANEL PLUS-X	35 MM 95
VR-25-EJ-C03-00051	30 AUG 66	063 MONO CRATERS, CALIFORNIA		30 NIKON DATA PANEL PLUS-X	35 MM 95
VR-25-EJ-019-00052	30 AUG 66	019 SONORA PASS, CALIFORNIA		30 NIKON DATA PANEL PLUS-X	35 MM 95
VR-25-EJ-20-00053	30 AUG 66	020 BUCKS LAKE, CALIFORNIA		30 NIKON DATA PANEL PLUS-X	35 MM 95
VR-25-EJ-043-00054	15 SEP 66	043 CHICAGO, ILLINOIS		31 NIKON DATA PANEL PLUS-X	35 MM 25
VR-25-EJ-011-00055	19-22 SEP 66	011 YELLOWSTONE NATIONAL PARK, WYOMING / MONTANA/IDAHO		32 NIKON DATA PANEL PLUS-X	35 MM 90
VR-25-EJ-114-00056	3 OCT 66	114 WHITE SANDS, NEW MEXICO		33 NIKON DATA PANEL PLUS-X	35 MM 8
VR-25-EJ-046-00057	10-14 OCT 66	046 ASHEVILLE, NORTH CAROLINA		34 NIKON DATA PANEL PLUS-X	35 MM 160
VR-25-GH-099-00058	10-14 OCT 66	099 FLORIDA STRAITS		34 NIKON DATA PANEL PLUS-X	35 MM 160
VR-25-EJ-138-00059	10-14 OCT 66	138 CULPESTER NORTH		34 NIKON DATA PANEL PLUS-X	35 MM 160
VR-25-FH-032-00060	5 DEC 66	032 WESLACO, TEXAS		35 NIKON DATA PANEL PLUS-X	35 MM 25
VR-25-GH-095-00061	9 DEC 66	095 EVERGLADES, FLORIDA		36 NIKON DATA PANEL PLUS-X	35 MM 44
VR-25-GH-098-00062	9 DEC 66	098 HOMESTEAD, FLORIDA		36 NIKON DATA PANEL PLUS-X	35 MM 44
VR-25-EJ-102-00063	9 DEC 66	102 STAVENVILLE/LAKE CITY, FLORIDA, PHOSPHATE		36 NIKON DATA PANEL PLUS-X	35 MM 44

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-25-3H-103-00064	9 DEC 66	103	CRYSTAL RIVER, FLORIDA	36	NIKON DATA PANEL PLUS-X
VR-25-3H-104-00065	9 DEC 66	104	WAUCHALA/TAMPA, FLORIDA	36	NIKON DATA PANEL PLUS-X
VR-25-3H-120-00066	14 DEC 66	120	MISSISSIPPI DELTA, LOUISIANA	37	NIKON DATA PANEL PLUS-X
VR-25-EJ-086-00067	22-25 JAN 67	086	ARGUS ISLE, BERMUDA	38	NIKON DATA PANEL PLUS-X
VR-25-EJ-114-00068	4 FEB 67	114	WHITE SANDS, NEW MEXICO	39	NIKON DATA PANEL PLUS-X
VR-25-CH-099-00069	21-24 FEB 67	099	FLORIDA STRAITS	40	NIKON DATA PANEL PLUS-X
VR-25-CJ-102-00070	21-24 FEB 67	102	STATEVILLE/LAKE CITY, FLORIDA, PHOSPHATE	40	NIKON DATA PANEL PLUS-X
VR-25-3H-103-00071	21-24 FEB 67	103	CRYSTAL RIVER, FLORIDA	40	NIKON DATA PANEL PLUS-X
VR-25-CH-104-00072	21-24 FEB 67	104	WAUCHALA/TAMPA, FLORIDA	40	NIKON DATA PANEL PLUS-X
VR-25-3H-120-00073	24 FEB 67	120	MISSISSIPPI DELTA, LOUISIANA	41	NIKON DATA PANEL PLUS-X
VR-25-EJ-014-00074	14-16 MAR 67	014	LITTLE DRAGOON MOUNTAINS, ARIZONA	43	NIKON DATA PANEL PLUS-X
VR-25-EJ-029-00075	14-16 MAR 67	029	PHOENIX, ARIZONA	43	NIKON DATA PANEL PLUS-X
VR-25-EJ-101-00076	14-16 MAR 67	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	43	NIKON DATA PANEL PLUS-X
VR-25-EJ-114-00077	14-16 MAR 67	114	WHITE SANDS, NEW MEXICO	43	NIKON DATA PANEL PLUS-X
VR-25-EJ-002-00078	21-24 MAR 67	002	PISGAH CRATER, CALIFORNIA	44	NIKON DATA PANEL PLUS-X
VR-25-EJ-051-00079	21-24 MAR 67	051	MESOLITE SEDIMENTARY, ARIZONA	44	NIKON DATA PANEL PLUS-X
VR-25-EJ-052-00080	21-24 MAR 67	052	NEVADA AEC	44	NIKON DATA PANEL PLUS-X
VR-25-EJ-154-00081	21-24 MAR 67	154	AMBOY CRATER, CALIFORNIA	44	NIKON DATA PANEL PLUS-X
VR-25-CH-099-00082	12-16 JUN 67	095	EVERGLADES, FLORIDA	50	NIKON DATA PANEL PLUS-X
VR-25-CH-099-00083	12-16 JUN 67	099	FLORIDA STRAITS	50	NIKON DATA PANEL PLUS-X
VR-25-CH-108-00084	12-16 JUN 67	108	CUTLER AREA SUBMARINE SPRING, FLA.	50	NIKON DATA PANEL PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-25-3H-128-00085	12-16 JUN 67	128	MISSISSIPI DELTA, LOUISIANA	50	NIKON DATA PANEL PLUS-X
VR-25-3H-032-00086	23 JUN 67	032	WESLACO, TEXAS	51	NIKON DATA PANEL PLUS-X
VR-25-3H-032-00087	7 JUL 67	032	WESLACO, TEXAS	951	NIKON DATA PANEL PLUS-X
VR-25-3J-044-00088	29 JUN 67	044	PURDLE, INDIANA	52	NIKON DATA PANEL PLUS-X
VR-25-3J-085-00089	7 AUG 67	085	LAWRENCE, KANSAS	54	NIKON DATA PANEL PLUS-X
VR-25-3K-118-00090	7 AUG 67	118	MISSOURI RIVER, NORTH DAKOTA	54	NIKON DATA PANEL PLUS-X
VR-25-3J-044-00091	7 AUG 67	144	PURDLE, INDIANA	54	NIKON DATA PANEL PLUS-X
VR-25-3J-144-00092	7 AUG 67	144	MISSOURI SAND PLAINS	54	NIKON DATA PANEL PLUS-X
VR-25-3J-044-00093	7 AUG 67	044	PURDLE, INDIANA	54	NIKON DATA PANEL PLUS-X
VR-25-3J-044-00094	7 AUG 67	044	PURDLE, INDIANA	54	NIKON DATA PANEL PLUS-X
VR-25-3J-076-00095	7 AUG 67	076	GARDEN CITY, KANSAS	54	NIKON DATA PANEL PLUS-X
VR-25-3J-007-00096	21 AUG 67	007	COAST RANGE, OREGON/WASHINGTON	55	NIKON DATA PANEL PLUS-X
VR-25-3J-048-00097	21 AUG 67	048	SAN PABLO RESERVOIR, CALIFORNIA	55	NIKON DATA PANEL PLUS-X
VR-25-3J-056-00098	21 AUG 67	056	MT. LASSEN, CALIFORNIA	55	NIKON DATA PANEL PLUS-X
VR-25-3K-156-00099	21 AUG 67	156	WIND RIVER, WASHINGTON	55	NIKON DATA PANEL PLUS-X
VR-25-3H-158-00100	18-21 SEP 67	158	CORPUS CHRISTI, TEXAS/GULF OF MEXICO	57	NIKON DATA PANEL PLUS-X
VR-25-3H-146-00101	18-21 SEP 67	146	ALAFIA AND PEACE RIVERS, FLORIDA	57	NIKON DATA PANEL PLUS-X
VR-25-3J-020-00102	7-21 OCT 67	020	BUCKS LAKE, CALIFORNIA	59	NIKON DATA PANEL PLUS-X
VR-25-3J-051-00103	7-21 OCT 67	051	MESQUITE SEDIMENTARY, ARIZONA	59	NIKON DATA PANEL PLUS-X
VR-25-3J-135-00104	7-21 OCT 67	135	HARVEY VALLEY, CALIFORNIA	59	NIKON DATA PANEL PLUS-X
VR-25-3K-156-00105	7-21 OCT 67	156	WIND RIVER, WASHINGTON	59	NIKON DATA PANEL PLUS-X
VR-25-3J-159-00106	7-21 OCT 67	159	HORSEFLY MOUNTAIN, OREGON	59	NIKON DATA PANEL PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-25-JK-160-00107	31 OCT 67	160	NEWFOUNDLAND COAST (ARGENTIA)	60	NIKON DATA PANEI PLUS-X
VR-25-J-129-00109	13-16 NOV 67	129	ARKANSAS BASIN	61	NIKON DATA PANEI P-JS-X
VR-25-FJ-085-00110	13-16 NOV 67	085	LAWRENCE, KANSAS	61	NIKON DATA PANEI PLUS-X
VR-25-FJ-076-00111	13-16 NOV 67	076	GARDEN CITY, KANSAS	61	NIKON DATA PANEI PLUS-X
VR-25-GJ-079-00112	13-16 NOV 67	079	MATHEW, KENTUCKY	61	NIKON DATA PANEI PLUS-X
VR-25-GJ-141-00113	13-16 NOV 67	141	CHARLESTON/COLUMBIA, SOUTH CAROLINA	61	NIKON DATA PANEI PLUS-X
VR-25-FH-032-00114	4-6 DEC 67	032	WESLACO, TEXAS	62	NIKON DATA PANEI P-JS-X
VR-25-GH-132-00115	4-6 DEC 67	132	NEW ORLEANS, LOUISIANA	62	NIKON DATA PANEI PLUS-X
VR-25-GJ-133-00116	4-6 DEC 67	133	MICHIGAN, LOUISIANA	62	NIKON DATA PANEI P-JS-X
VR-25-GJ-134-00117	4-6 DEC 67	134	SLIDELL, LOUISIANA	62	NIKON DATA PANEI PLUS-X
VR-25-GJ-137-00118	4-6 DEC 67	137	MISSISSIPPI TEST FACILITY	62	NIKON DATA PANEI PLUS-X
VR-25-GJ-165-00119	5 JAN 68	165	DESERT/ST. MARKS, FLORIDA	964	NIKON DATA PANEI P-JS-X
VR-25-GH-126-00120	5-10 FEB 68	126	MISSISSIPPI DELTA, LOUISIANA	66	NIKON DATA PANEI PLUS-X
VR-25-GH-162-00121	5-10 FEB 68	162	BAHAMA BANKS, FLORIDA	66	NIKON DATA PANEI PLUS-X
VR-25-GH-163-00122	5-10 FEB 68	163	BAYNE BAY, FLORIDA	66	NIKON DATA PANEI PLUS-X
VR-25-GH-164-00123	5-10 FEB 68	164	BOCA RATON/BELLE GLADE, FLORIDA	66	NIKON DATA PANEI PLUS-X
VR-25-GH-195-00124	5-10 FEB 68	195	GULF COAST FISHERIES	66	NIKON DATA PANEI PLUS-X
VR-25-GH-145-00125	28 FEB 68	145	GULF COAST SPRINGS	67	NIKON DATA PANEI PLUS-X
VR-25-GH-146-00126	28 FEB 68	146	ALAFIA AND PEACE RIVERS, FLORIDA	67	NIKON DATA PANEI PLUS-X
VR-25-GH-147-00127	2 MAR 68	147	LAKES/TAMPA, FLORIDA	67	NIKON DATA PANEI PLUS-X
VR-25-FK-065-00128	2 MAR 68	65	DESERET/ST. MARKS, FLORIDA	67	NIKON DATA PANEI PLUS-X
VR-25-FK-061-00129	7-10 MAY 68	041	MESABI RANGE, MINNESOTA	72	NIKON-DATA PANEI TRI-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-25-6J-044-00130	7-10 MAY 68	044 PURDLE, INDIANA		72	NIKON-DATA PANEL TRI-X
VR-25-5K-126-00131	7-10 MAY 68	126 MARGLETT/REPUBLIC TROUGHS, MICH.		72	NIKON-DATA PANEL TRI-X
VR-25-5J-167-00132	7-10 MAY 68	167 LAKE MICHIGAN		72	NIKON-DATA PANEL TRI-X
VR-25-5J-020-00133	21-28 MAY 68	020 BUCKS LAKE, CALIFORNIA		73	NIKON DATA PANEL PLUS-X
VR-25-5J-027-00134	21-28 MAY 68	027 SALTEN SEA, CALIFORNIA		73	NIKON DATA PANEL PLUS-X
VR-25-5J-048-00135	21-28 MAY 68	048 SAN PABLO RESERVOIR, CALIFORNIA		73	NIKON DATA PANEL PLUS-X
VR-25-5J-072-00136	21-28 MAY 68	072 COSO HOT SPRINGS, CALIFORNIA		73	NIKON DATA PANEL PLUS-X
VR-25-5J-130-00137	21-28 MAY 68	130 SOUTHERN CALIFORNIA		73	NIKON DATA PANEL PLUS-X
VR-25-5J-076-00138	17 JUN 68	076 GARDEN CITY, KANSAS		74	NIKON DATA PANEL PLUS-X
VR-25-5J-085-00139	18 JUN 68	085 LAWRENCE, KANSAS		74	NIKON DATA PANEL PLUS-X
VR-25-5J-044-00140	18-19 JUN 68	044 PURDLE, INDIANA		74	NIKON DATA PANEL PLUS-X
VR-25-5J-148-00141	20 JUN 68	168 PATUXENT RIVER, MARYLAND		74	NIKON DATA PANEL PLUS-X
VR-25-5H-162-00142	3 JUL 68	162 BAHAYA BANKS, FLORIDA		75	NIKON DATA PANEL PLUS-X
VR-25-5H-032-00143	8 JUL 68	032 WESLACO, TEXAS		75	NIKON DATA PANEL PLUS-X
VR-25-5J-056-00144	18-19 JUL 68	056 MT. LASSEN, CALIFORNIA		76	NIKON DATA PANEL PLUS-X
VR-25-5J-022-00145	16 JUL 68	022 TONOPAH, NEVADA		76	NIKON DATA PANEL PLUS-X
VR-25-5J-075-00146	16 JUL 68	075 GOLDFIELD, NEVADA		76	NIKON DATA PANEL PLUS-X
VR-25-5J-076-00147	29 JUL 68	076 GARDEN CITY, KANSAS		77	NIKON DATA PANEL PLUS-X
VR-25-6J-044-00148	30 JUL 68	044 PURDLE, INDIANA		77	NIKON DATA PANEL PLUS-X
VR-25-6J-148-00149	1 AUG 68	148 LEHIGH RIVER, PENNSYLVANIA		77	NIKON DATA PANEL PLUS-X
VR-25-5J-174-00150	20 JUN 68	174 WATLIPS ISLAND, VIRGINIA		74	NIKON DATA PANEL PLUS-X
VR-25-5H-171-00151	23-24 SEP 68	171 SABINE LAKE, LOUISIANA		80	NIKON DATA PANEL PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					NO.	NAME
VR-25-FK-110-00152	26 SEP 68	110	MISSOURI RIVER, NORTH DAKOTA	80	Nikon Data Panel	PLUS-X
VR-25-FJ-076-00153	26-27 SEP 68	076	GARDEN CITY, KANSAS	80	Nikon Data Panel	PLUS-X
VR-25-CJ-165-00154	11 OCT 68	165	DESERT/ST. MARKS, FLORIDA	81	Nikon Data Panel	PLUS-X
VR-25-GH-163-00155	11 OCT 68	163	BISCAYNE BAY, FLORIDA	81	Nikon Data Panel	PLUS-X
VR-25-GH-145-00156	11 OCT 68	145	GULF COAST SPRINGS	81	Nikon Data Panel	PLUS-X
VR-25-GH-146-00157	11 OCT 68	146	ALAFIA AND PEACE RIVERS, FLORIDA	81	Nikon Data Panel	PLUS-X
VR-25-GH-147-00158	11 OCT 68	147	LAKES/TAMPA, FLORIDA	81	Nikon Data Panel	PLUS-X
VR-25-GH-132-00159	11 OCT 68	132	NEW ORLEANS, LOUISIANA	81	Nikon Data Panel	PLUS-X
VR-25-FJ-996-00160	14 OCT 68	996	DALLAS/FT. WORTH, TEXAS	981	Nikon Data Panel	PLUS-X
VR-25-FJ-995-00161	14 OCT 68	995	ANSON/SNYDER, TEXAS	981	Nikon Data Panel	PLUS-X
VR-25-EJ-030-00162	15-16 OCT 68	030	TUCSON, ARIZONA	981	Nikon Data Panel	PLUS-X
VR-25-EJ-181-00163	19 OCT 68	181	COORADO RIVER DELTA	981	Nikon Data Panel	PLUS-X
VR-25-EJ-994-00164	16-20 OCT 68	994	EL PASO, TEXAS	981	Nikon Data Panel	PLUS-X
VR-25-FH-175-00165	23 OCT 68	175	HOUSTON, TEXAS, AREA	981	Nikon Data Panel	PLUS-X
VR-25-FJ-161-00166	5 NOV 68	161	RARITAN RIVER, NEW JERSEY	82	Nikon Data Panel	PLUS-X
VR-25-FJ-152-00167	5 NOV 68	152	BARNEGAT BAY, NEW JERSEY	82	Nikon Data Panel	PLUS-X
VR-25-FJ-176-00168	6 NOV 68	176	NEW ENGLAND	82	Nikon Data Panel	PLUS-X
VR-25-CH-147-00169	8 NOV 68	147	LAKES/TAMPA, FLORIDA	82	Nikon Data Panel	PLUS-X
VR-25-FJ-178-00170	20 DEC 68	178	MILL CREEK, OKLAHOMA	84	Nikon Data Panel	PLUS-X
VR-25-FH-179-00171	23 DEC 68	179	LAGUNA MADRE/CORPUS CHRISTI, TEXAS	84	Nikon Data Panel	PLUS-X
VR-25-GH-146-00172	13-15 JAN 69	146	ALAFIA AND PEACE RIVERS, FLORIDA	85	Nikon Data Panel	PLUS-X
VR-25-GH-164-00173	13-15 JAN 69	164	BOCA RATON/BELLE GLADE, FLORIDA	85	Nikon Data Panel	PLUS-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					NO.	TYPE
IR-25-EJ-165-00174	13-15 JAN 69	165	DESERET/ST. MARKS, FLORIDA	85	NIKON DATA PANEL	PLUS-X
IR-25-EJ-163-00175	27 JAN 69	183	LORDSBURG, NEW MEXICO	86	NIKON DATA PANEL	PLUS-X
IR-25-EJ-160-00176	27 JAN 69	180	GARNET MOUNTAIN, ARIZONA	86	NIKON DATA PANEL	PLUS-X
IR-25-FH-171-00177	26 FEB 69	171	SABINE LAKE, LOUISIANA	87	NIKON DATA PANEL	PLUS-X
IR-26-EJ-031-00001	7-8 JAN 69	031	WILCOX DRY LAKE, ARIZONA	4	T-11	PLUS-X
IR-26-EJ-051-00002	9 JAN 69	051	MESQUITE SEDIMENTARY, ARIZONA	4	T-11	DJP, POS.
IR-26-EJ-015-00003	9 JAN 69	015	TWIN BUTTES, ARIZONA	4	T-11	CJP, POS.
IR-26-EJ-002-00004	11 JAN 69	002	PISGAH CRATER, CALIFORNIA	4	T-11	DJP, POS.
IR-26-EJ-022-00005	16 FEB 69	022	TONOFAH, NEVADA	5	T-11	PLUS-X
IR-26-EJ-006-00006	16 FEB 69	006	SALT LAKE, UTAH	5	T-11	PLUS-X
IR-26-EJ-031-00007	2 JUN 69	031	WILCOX DRY LAKE, ARIZONA	6	T-11	PLUS-X
IR-26-EJ-014-00008	2 JUN 69	014	LITTLE DRAGOON MOUNTAINS, ARIZONA	6	T-11	PLUS-X
IR-26-JJ-024-00009	3 JUN 69	024	SAN ANDREAS FAULT, CALIFORNIA	6	T-11	PLUS-X
IR-26-JJ-024-00010	3 JUN 69	024	SAN ANDREAS FAULT, CALIFORNIA	6	T-11	DJP, POS.
IR-26-JJ-020-00011	5 JUN 69	020	BUCKS LAKE, CALIFORNIA	6	T-11	INFRARED
IR-26-JJ-020-00012	5 JUN 69	020	BUCKS LAKE, CALIFORNIA	6	T-11	B/W INFRARED
IR-26-EJ-002-00013	23 JUN 69	002	PISGAH CRATER, CALIFORNIA	11	T-11	PLUS-X
IR-26-EJ-029-00014	1 JUL 69	029	PHOENIX, ARIZONA	12	T-11	PLUS-X
IR-26-EJ-015-00015	10 JAN 69	015	TWIN BUTTES, ARIZONA	18	T-11	INFRARED
IR-26-FH-032-00016	8 JUL 69	032	WESLACO, TEXAS	27	T-11	9-1/2 IN.
IR-26-EJ-052-00017	3 SEP 69	052	NEVADA AEC	30	T-11	9-1/2 IN.
IR-26-GH-099-00018	21 FEB 67	099	FLORIDA STRAITS	40	T-11	9-1/2 IN.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-26-EJ-101-00019	16 MAR 67	101	SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	43 T-11	PLUS-X 9-1/2 IN. 65
VR-26-EJ-014-00020	15 MAR 67	014	LITTLE DRAGOON MOUNTAINS, ARIZONA	43 T-11	AERO EKTACHROME 9-1/2 IN. 75
VR-26-EJ-029-00021	15 MAR 67	029	PHOENIX, ARIZONA	43 T-11	AERO EKTACHROME 9-1/2 IN. 75
VR-26-EJ-052-00022	23 MAR 67	052	NEVADA AEC	44 T-11	AERO EKTACHROME 9-1/2 IN. 150
VR-26-GH-099-00023	15 JUN 67	099	FLORIDA STRAITS	50 T-11	PLUS-X 9-1/2 IN. 130
VR-26-GJ-044-00024	29 JUN 67	044	PURPLE, INDIANA	52 T-11	PLUS-X 9-1/2 IN. 100
VR-26-JJ-056-00025	21 AUG 67	056	MT. LASSEN, CALIFORNIA	55 T-11	PLUS-X 9-1/2 IN. 100
VR-26-GH-150-00026	18-19 SEP 67	158	CORPUS CHRISTI, TEXAS/GULF OF MEXICO	57 T-11	PLUS-X 540I 9-1/2 IN. 430
VR-26-EJ-051-00027	20 OCT 67	051	MESOLITE SEDIMENTARY, ARIZONA	59 T-11	5424 3/W IR 9-1/2 IN. 100
VR-26-EJ-051-00028	20-21 OCT 67	051	MESOLITE SEDIMENTARY, ARIZONA	59 T-11	5401 PLUS-X 9-1/2 IN. 360
VR-26-EJ-076-00029	13-17 NOV 67	076	GARDEN CITY, KANSAS	61 T-11	PLUS-X 540I 9-1/2 IN. 430
VR-26-PJ-129-00030	13-17 NOV 67	129	ARKANSAS BASIN	61 T-11	PLUS-X 540I 9-1/2 IN. 430
VR-26-3J-141-00031	13-17 NOV 67	141	CHARLESTON/COLUMBIA, SOUTH CAROLINA	61 T-11	PLUS-X 540I 9-1/2 IN. 430
VR-26-3J-165-00032	5 JAN 68	165	DESERET/ST. MARKS, FLORIDA	964 T-11	EKTACHROME 8442 9-1/2 IN. 200
VR-26-GH-120-00033	5-7 FEB 68	120	MISSISSIPPI DELTA, LOUISIANA	66 T-11	PLUS-X 540I 9-1/2 IN. 183
VR-26-GH-163-00034	5-7 FEB 68	163	BISCAYNE BAY, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 183
VR-26-GH-164-00035	5-7 FEB 68	164	BOCA RATON/BELLE GLADE, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 183
VR-26-GH-162-00036	7-8 FEB 68	162	BAHARA BANKS, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 183
VR-26-GH-164-00037	7-8 FEB 68	164	BOCA RATON/BELLE GLADE, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 183
VR-26-GH-162-00038	8-9 FEB 68	162	BAHARA BANKS, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 103
VR-26-GH-163-00039	8-9 FEB 68	163	BISCAYNE BAY, FLORIDA	66 T-11	PLUS-X 540I 9-1/2 IN. 103

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					PLU\$-X 5401	9-1/2 IN. 168
VR-26-GH-126-00040	10 FEB 68	128	MISSISSIPPI DELTA, LOUISIANA	66	T-11	PLU\$-X 5401
VR-26-GH-132-00041	10 FEB 68	132	NEW ORLEANS, LOUISIANA	66	T-11	PLU\$-X 5401
VR-26-GH-147-00042	28 FEB 68	167	LAKES/TAMPA, FLORIDA	67	T-11	8401
VR-26-GH-162-00043	3 JUL 68	162	BAHAMA BANKS, FLORIDA	75	T-11	8401
VR-27-3L-093-00001	17 MAY 67	093	PT. BARROW, ALASKA	47	APS	PLU\$-X
VR-28-3L-093-00001	17 MAY 67	093	PT. BARROW, ALASKA	47	RADIOMETER	JACCOMATIC 9461
VR-29-3L-093-00001	11-17 MAY 67	093	PT. BARROW, ALASKA	47	RS-7	5498 RAR
VR-29-CL-143-00002	11-17 MAY 67	143	COOK INLET, ALASKA	47	RS-7	5498 RAR
VR-29-6J-150-00003	10 JUL 67	150	PAMLICO SOUND, NORTH CAROLINA	53	RS-7	TRI-X
VR-29-6J-142-00004	11-12 JUL 67	142	DELAWARE ESTUARY, PENNSYLVANIA/ NEW JERSEY	53	RS-7	TRI-X
VR-29-3J-148-00005	11-12 JUL 67	148	LEHIGH RIVER, PENNSYLVANIA	53	RS-7	TRI-X
VR-29-6J-124-00006	13 JUL 67	124	DELMARVA PENINSULA, DELAWARE/ MARYLAND/VIRGINIA	53	RS-7	TRI-X
VR-29-4J-151-00007	13 JUL 67	151	LONG ISLAND, NEW YORK	53	RS-7	TRI-X
VR-29-4J-152-00008	13 JUL 67	152	BARNEGAT BAY, NEW JERSEY	53	RS-7	TRI-X
VR-29-6J-153-00009	13 JUL 67	153	ANAPOLIS, MARYLAND	53	RS-7	TRI-X
VR-29-6J-046-00010	14 JUL 67	046	ASHEVILLE, NORTH CAROLINA	53	RS-7	TRI-X
VR-29-7H-492-00011	14 JUL 67	992	PORT ARTHUR-FIREANT	53	RS-7	TRI-X
VR-29-2J-019-C0012	6-9 SEP 67	019	SONORA PASS, CALIFORNIA	56	RS-7	TRI-X 5498
VR-29-2J-13r-00013	6-9 SEP 67	130	SOUTHERN CALIFORNIA	56	RS-7	TRI-X 5498
VR-29-2J-197-0C014	6-9 SEP 67	157	BORREGO SPRINGS, CALIFORNIA	56	RS-7	TRI-X 5498
VR-29-2J-003-00015	6-9 SEP 67	003	MONO CRATERS, CALIFORNIA	56	RS-7	TRI-X 5498

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					NO.	DESCRIPTION
VR-29-3H-128-00016	30 AUG 67	128	MISSISSIPPI DELTA, LOUISIANA	56	RS-7	5490-QAR FILM
VR-29-3H-032-00017	15 JAN 68	032	WESLACO, TEXAS	64	RS-7	5498
VR-29-3J-046-00018	16 JAN 68	046	ASHEVILLE, NORTH CAROLINA	65	RS-7	5498
VR-29-3J-150-00019	17 JAN 68	150	PAMLICO SOUND, NORTH CAROLINA	65	RS-7	5498
VR-29-3J-142-00020	18 JAN 68	142	DELAWARE ESTUARY, PA./N.J.	65	RS-7	5498
VR-29-3J-124-00021	17-19 JAN 68	124	DELMARVA PENINSULA, DELAWARE/MARYLAND/VIRGINIA	65	RS-7	5498
VR-29-3J-150-00022	17-19 JAN 68	150	PAMLICO SOUND, NORTH CAROLINA	65	RS-7	5498
VR-29-L-166-00023	3-9 APR 68	166	ICELAND	70	RS-7	5498
VR-29-3J-003-00024	27-28 AUG 68	003	MONO CRATERS, CALIFORNIA	78	RS-7	5498 RAR
VR-29-3J-019-00025	27-28 AUG 68	019	SONORA PASS, CALIFORNIA	78	RS-7	5498 RAR
VR-29-3J-056-00026	28 AUG 68	036	MT. LASSEN, CALIFORNIA	78	RS-7	5498 RAR
VR-29-2K-040-00027	29 AUG 68	040	CASCADE MOUNTAINS, WASHINGTON	78	RS-7	5498 RAR
VR-29-2K-156-00028	30 AUG 68	156	WIND RIVER, WASHINGTON	78	RS-7	5498 RAR
VR-29-3H-173-00029	10 SEP 68	173	GULF LOOP	79	RS-7	RAR-5498
VR-29-3H-168-00030	13 SEP 68	168	PATUXENT RIVER, MARYLAND	79	RS-7	RAR-5498
VR-29-3J-174-00031	13 SEP 68	174	WALLOPS ISLAND, VIRGINIA	79	RS-7	RAR-5498
VR-29-3H-155-00032	13 SEP 68	155	GULF COAST FISHERIES	79	RS-7	RAR-5498
VR-29-3H-164-00033	13 SEP 68	164	BOCA RATON/BELLE GLADE, FLORIDA	79	RS-7	RAR-5498
VR-30-2J-019-00001	6 SEP 67	019	SONORA PASS, CALIFORNIA	56	BORESIGHT	CROVAR 1368
VR-30-L-166-00002	6-14 MAR 69	166	ICELAND - SEA STATE	66	BORESIGHT	2402
VR-31-3J-167-00001	7 MAY 68	167	LAKE MICHIGAN	72	HASSELBLAD SPEC. 1V	70MM
VR-31-3J-167-00002	7 MAY 68	167	LAKE MICHIGAN	72	HASSELBLAD	8443

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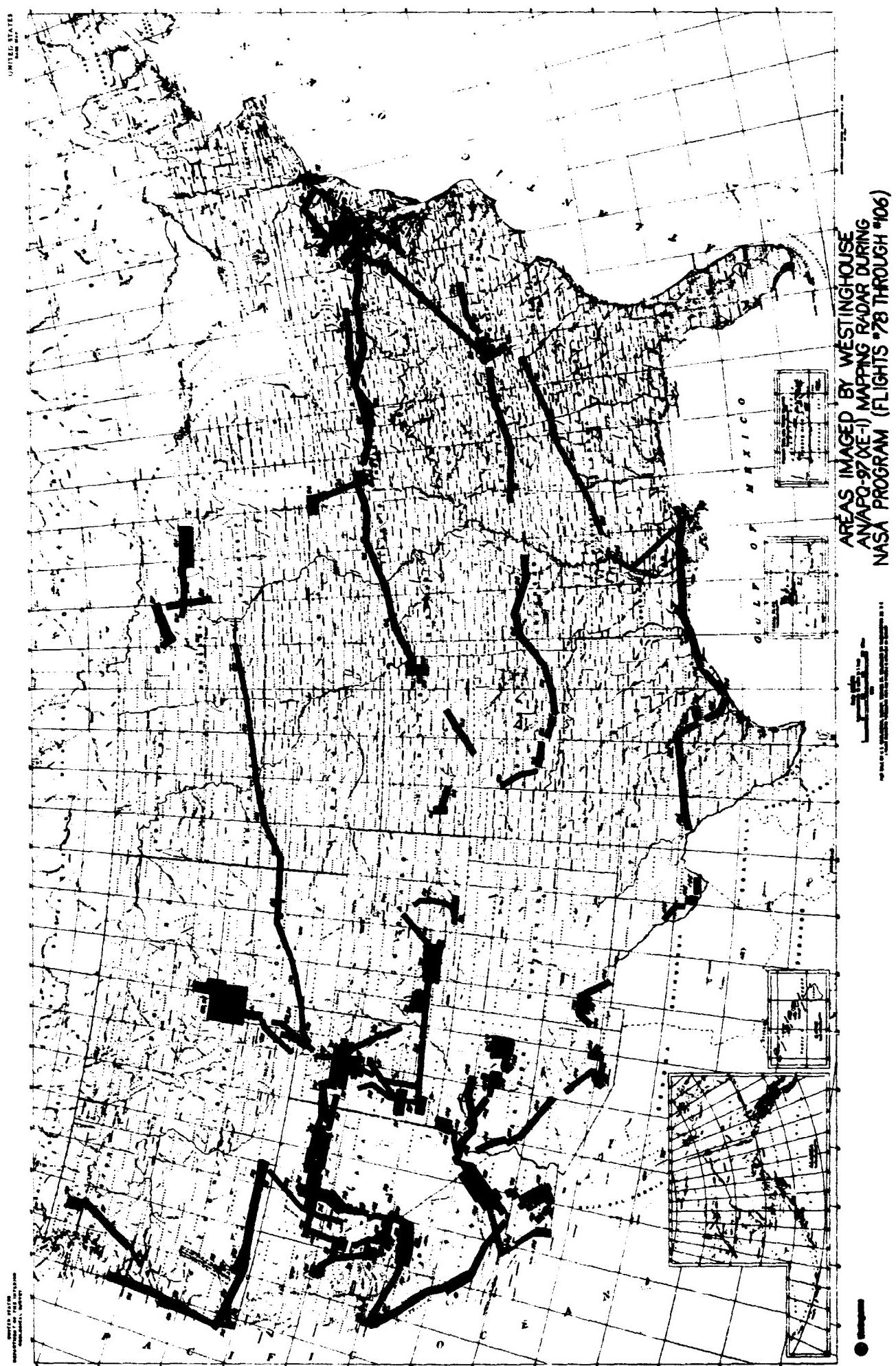
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ACCESSION NUMBER	DATE	SITE #	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-31-EJ-167-00003	7 MAY 68	167	LAKE MICHIGAN	72	HASSELBLAD
VR-31-EH-032-00004	8 JUL 68	032	WEGLACO, TEXAS	75	HASSELBLAD
VR-31-EH-032-00005	8 JUL 68	032	WEGLACO, TEXAS	75	HASSELBLAD
VR-31-EK-156-00006	30 AUG 68	156	WIND RIVER, WASHINGTON	78	HASSELBLAD
VR-31-EK-156-00007	29 AUG 68	156	WIND RIVER, WASHINGTON	78	HASSELBLAD
VR-31-EJ-996-00008	14 OCT 68	996	DALLAS/FT. WORTH, TEXAS	981	HASSELBLAD
VR-31-EJ-995-00009	14 OCT 68	995	ANSON/SYDNEY, TEXAS	981	HASSELBLAD
VR-31-EJ-00010	15-18 OCT 68	030	TUCSON, ARIZONA	981	HASSELBLAD
VR-31-EJ-994-00011	16-20 OCT 68	994	EL PASO, TEXAS	981	HASSELBLAD
VR-31-EJ-161-00012	19 OCT 68	161	COLORADO RIVER DELTA	981	HASSELBLAD
VR-31-EH-175-00013	23 OCT 68	175	HOUSTON, TEXAS, AREA	981	HASSELBLAD
VR-31-EH-175-00014	23 OCT 68	175	HOUSTON, TEXAS, AREA	981	HASSELBLAD
VR-31-EH-175-00015	23 OCT 68	175	HOUSTON, TEXAS, AREA	981	HASSELBLAD
VR-31-EJ-996-00016	14 OCT 68	996	DALLAS/FT. WORTH, TEXAS	981	HASSELBLAD
VR-31-EJ-995-00017	14 OCT 68	995	ANSON/SYDNEY, TEXAS	981	HASSELBLAD
VR-31-EJ-00018	15-16 OCT 68	030	TUCSON, ARIZONA	981	HASSELBLAD
VR-31-E 994-10019	16-20 OCT 68	994	EL PASO, TEXAS	981	HASSELBLAD
VR-31-EJ-00020	19 OCT 68	161	COLORADO RIVER DELTA	981	HASSELBLAD
VR-31-EH-175-00021	23 OCT 68	175	HOUSTON, TEXAS, AREA	981	HASSELBLAD
VR-31-EJ-00022	15-16 OCT 68	030	TUCSON, ARIZONA	981	HASSELBLAD
VR-31-EJ-994-00023	16-20 OCT 68	994	EL PASO, TEXAS	981	HASSELBLAD
VR-31-EJ-00024	19 OCT 68	161	COLORADO RIVER DELTA	981	HASSELBLAD

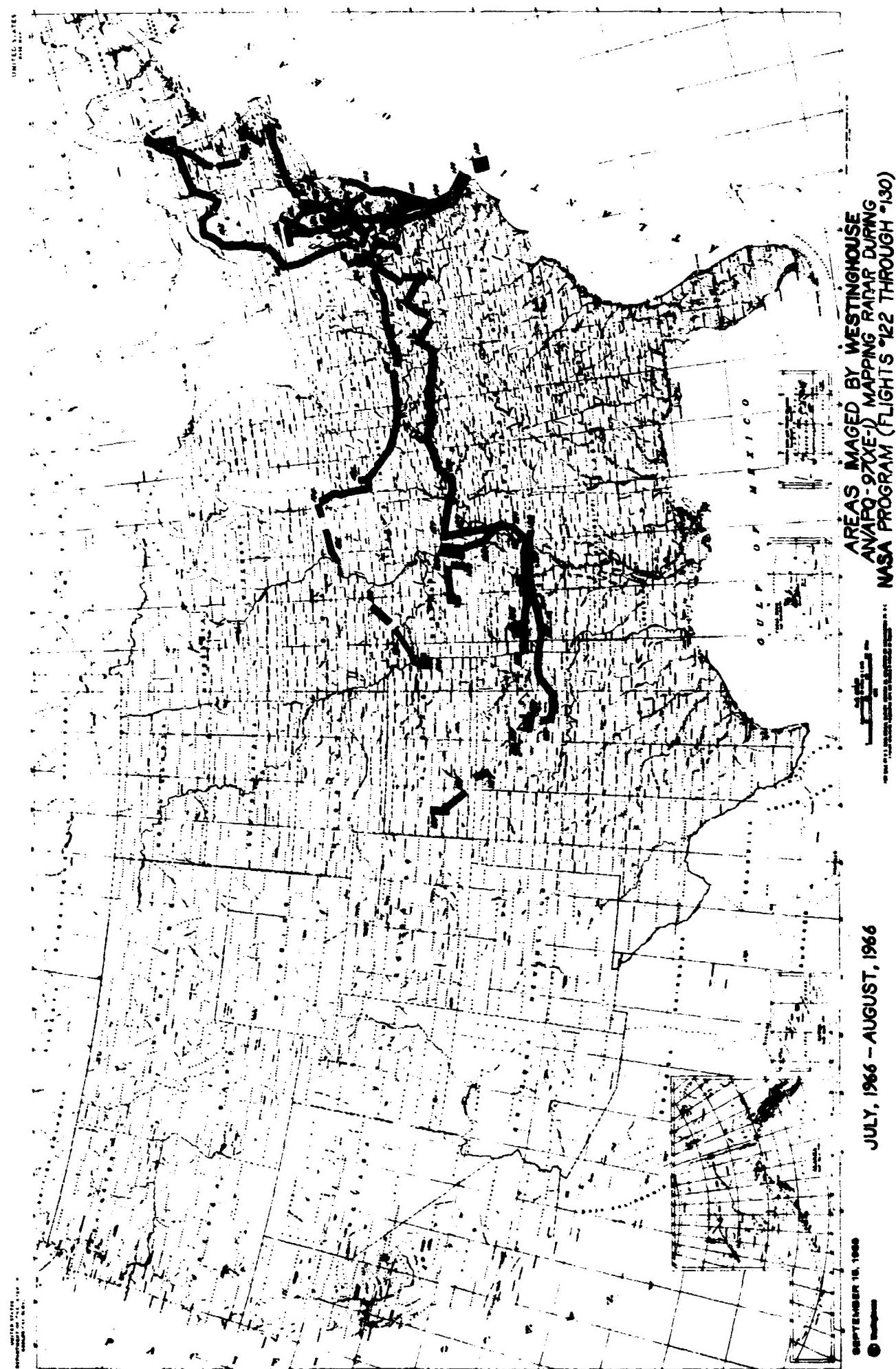
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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION SIGN	INSTRUMENT CONFIGURATION
NR-31-FH-175-00025	23 OCT 68	175 Hous. Jn, Texas, Area	981 HASSELBLAD	2448	70 MM 30

FAPL 70-000r



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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-33-6J-010-00001	26 JUL 65	018 HAGERSTOWN, MARYLAND/PA./VA.	79W APQ-97	RADAR	9-1/2 IN. 20
VR-33-3J-124-00002	26 JUL 65	124 DELMARVA PENINSULA, DELAWARE/MARYLAND/VIRGINIA	79W APQ-97	RADAR	9-1/2 IN. 20
VR-33-6J-000-00003	20 AUG 65	000 PHILADELPHIA AREA	80W APQ-97	RADAR	9-1/2 IN. 25
VR-33-3J-010-00004	7 SEP 65	018 HAGERSTOWN, MARYLAND/PA./VA.	81W APQ-97	RADAR	9-1/2 IN. 10
VR-33-6J-00005	14 SEP 65	045 LAWRENCE, KANSAS	81W APQ-97	RADAR	9-1/2 IN. 10
VR-33-6J-010-00006	14 SEP 65	018 HAGERSTOWN, MARYLAND/PA./VA.	82W APQ-97	RADAR	9-1/2 IN. 35
VR-33-6J-000-00007	14 SEP 65	000 CENTRAL OHIO, INDIANA, ILLINOIS	82W APQ-97	RADAR	9-1/2 IN. 35
VR-33-2J-076-00008	15 SEP 65	076 GARDEN CITY, KANSAS	83W APQ-97	RADAR	9-1/2 IN. 32
VR-33-8J-034-00009	15 SEP 65	034 OUACHITA MOUNTAINS, ARKANSAS/OKLA.	83W APQ-97	RADAR	9-1/2 IN. 32
VR-33-2J-129-00010	15 SEP 65	129 ARKANSAS BASIN	83W APQ-97	RADAR	9-1/2 IN. 32
VR-33-6J-046-00011	15 SEP 65	046 ASHEVILLE, NORTH CAROLINA	83W APQ-97	RADAR	9-1/2 IN. 32
VR-33-6J-078-00012	15 SEP 65	078 CLEVELAND COUNTY, NORTH CAROLINA	84W APQ-97	RADAR	9-1/2 IN. 25
VR-33-3J-045-00013	15 SEP 65	045 ORANGE, VIRGINIA	84W APQ-97	RADAR	9-1/2 IN. 25
VR-33-6J-010-00014	5 OCT 65	018 HAGERSTOWN, MARYLAND/PA./VA.	85W APQ-97	RADAR	9-1/2 IN. 15
VR-33-3J-000-00015	7 OCT 65	000 WEST PENNSYLVANIA-CENTRAL OHIO/IND.	86W APQ-97	RADAR	9-1/2 IN. 40
VR-33-6J-044-00016	10 OCT 65	044 PURPLE, INDIANA	87W APQ-97	RADAR	9-1/2 IN. 30
VR-33-6J-043-00017	10 OCT 65	043 CHICAGO, ILLINOIS	87W APQ-97	RADAR	9-1/2 IN. 30
VR-33-6K-126-00018	10 OCT 65	126 MARPLETTE/REPUBLIC TROUGHS, MICH.	87W APQ-97	RADAR	9-1/2 IN. 30
VR-33-6J-000-00019	10 OCT 65	000 MINNEAPOLIS-OCEAN	88W APQ-97	RADAR	9-1/2 IN. 32
VR-33-6J-011-00020	14 OCT 65	011 YELCHSTONE NATIONAL PARK, WYOMING/MONTANA/IDAHO	89W APQ-97	RADAR	9-1/2 IN. 32
VR-33-6J-000-00021	16 OCT 65	000 SALT LAKE, UTAH	90W APQ-97	RADAR	9-1/2 IN. 15

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-33-EJ-005-00022	19 OCT 65	005 EUREKA, UTAH		90W APQ-97	RADAR 9-1/2 IN. 15
VR-33-EJ-006-00023	19 OCT 65	006 SALT LAKE, UTAH		90W APQ-97	RADAR 9-1/2 IN. 15
VR-33-EJ-009-00024	19 OCT 65	009 SAN FRANCISCO DISTRICT, UTAH		91W APQ-97	RADAR 9-1/2 IN. 30
VR-33-EJ-006-00025	19 OCT 65	006 DIXIE/FISH LAKE NATIONAL FOREST, UTAH		91W APQ-97	RADAR 9-1/2 IN. 30
VR-33-EJ-116-00026	19 OCT 65	116 GREAT SALT LAKE, UTAH		91W APQ-97	RADAR 9-1/2 IN. 30
VR-33-EJ-036-00027	20 OCT 65	036 SPANISH PEAKS, COLORADO		92W APQ-97	RADAR 9-1/2 IN. 45
VR-33-EJ-037-00028	20 OCT 65	037 OURAY, COLORADO		92W APQ-97	RADAR 9-1/2 IN. 45
VR-33-EJ-038-00029	20 OCT 65	038 GREAT SAGE PLAIN, UTAH/COLORADO		92W APQ-97	RADAR 9-1/2 IN. 45
VR-33-EJ-111-00030	20 OCT 65	111 WET MOUNTAIN, COLORADO		93W APQ-97	RADAR 9-1/2 IN. 20
VR-33-EJ-053-00031	20 OCT 65	053 SPANISH PEAKS, COLORADO/CEDAR CITY, UTAH		93W APQ-97	RADAR 9-1/2 IN. 20
VR-33-EJ-001-00032	20 OCT 65	001 CEDAR CITY, UTAH		93W APQ-97	RADAR 9-1/2 IN. 20
VR-33-EJ-009-00033	20 OCT 65	009 SAN FRANCISCO DISTRICT, UTAH		93W APQ-97	RADAR 9-1/2 IN. 20
VR-33-EJ-011-00034	21 OCT 65	011 YELLOWSTONE NATIONAL PARK, WYOMING / MONTANA/IDAHO		94W APQ-97	RADAR 9-1/2 IN. 40
VR-33-EJ-054-00035	22 OCT 65	054 SMOKE CREEK DESERT/HEBER, UTAH		94W APQ-97	RADAR 9-1/2 IN. 40
VR-33-EJ-021-00036	22 OCT 65	021 BATTLE MOUNTAIN, NEVADA		94W APQ-97	RADAR 9-1/2 IN. 40
VR-33-EJ-073-00037	22 OCT 65	073 LYNN DISTRICT, NEVADA		95W APQ-97	RADAR 9-1/2 IN. 35
VR-33-EJ-055-00038	22 OCT 65	055 HUMBOLDT BASIN, NEVADA		95W APQ-97	RADAR 9-1/2 IN. 35
VR-33-EJ-059-00039	22 OCT 65	059 TOBIN RANGE, NEVADA		95W APQ-97	RADAR 9-1/2 IN. 35
VR-33-EJ-060-00040	22 OCT 65	060 DIXIE VALLEY, NEVADA		95W APQ-97	RADAR 9-1/2 IN. 35
VR-33-EJ-008-00041	25 OCT 65	008 SOUTH OREGON STRIP, OREGON		96W APQ-97	RADAR 9-1/2 IN. 35
VR-33-EJ-002-00042	25 OCT 65	002 ALVORD VALLEY, OREGON		96W APQ-97	RADAR 9-1/2 IN. 35

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-33-EJ-007-00043	25 OCT 65	06 COAST RANGE, OREGON/WASHINGTON	96W	APQ-97	RADAR
VR-33-EK-007-00044	26 OCT 65	067 MT. ST. HELENS, WASHINGTON	97W	APQ-97	RADAR
VR-33-EK-069-00045	26 OCT 65	069 MT. BAKER, WASHINGTON	97W	APQ-97	RADAR
VR-33-EK-040-00046	26 OCT 65	040 CASCADE MOUNTAINS, WASHINGTON	97W	APQ-97	RADAR
VR-33-EK-068-00047	26 OCT 65	068 MT. RAINIER, WASHINGTON	97W	APQ-97	RADAR
VR-33-EK-066-00048	26 OCT 65	066 MT. ADAMS, WASHINGTON	97W	APQ-97	RADAR
VR-33-EJ-007-00049	27 OCT 65	007 COAST RANGE, OREGON/WASHINGTON	98W	APQ-97	RADAR
VR-33-EJ-008-00050	27 OCT 65	008 SOUTH OREGON STRIP, OREGON	98W	APQ-97	RADAR
VR-33-EJ-009-00051	27 OCT 65	009 HUMBOLDT BASIN, NEVADA	98W	APQ-97	RADAR
VR-33-EJ-010-00052	29 OCT 65	010 CARSON CITY, NEVADA	99W	APQ-97	RADAR
VR-33-EJ-020-00053	29 OCT 65	020 BUCKS LAKE, CALIFORNIA	99W	APQ-97	RADAR
VR-33-EJ-090-00054	29 OCT 65	090 DONNER PASS, CALIFORNIA	99W	APQ-97	RADAR
VR-33-EJ-019-00055	29 OCT 65	019 SONORA PASS, CALIFORNIA	99W	APQ-97	RADAR
VR-33-EJ-003-0356	29 OCT 65	003 MONO CRATERS, CALIFORNIA	99W	APQ-97	RADAR
VR-33-EJ-010-00057	1 NOV 65	010 CARSON CITY, NEVADA	-	100W	APQ-97
VR-33-EJ-022-00058	1 NOV 65	022 TONOPAH, NEVADA	100W	APQ-97	RADAR
VR-33-EJ-023-00059	1 NOV 65	023 INYO NATIONAL FOREST, CALIFORNIA	100W	APQ-97	RADAR
VR-33-EJ-074-00060	1 NOV 65	074 BENTON, CALIFORNIA	100W	APQ-97	RADAR
VR-33-EU-003-00061	1 NOV 65	063 MONO CRATERS, CALIFORNIA	100W	APQ-97	RADAR
VR-33-EJ-094-00062	1 NOV 65	084 SMOKE CREEK DESERT/HEBER, UTAH	100W	APQ-97	RADAR
VR-33-EJ-002-00063	2 NOV 65	062 PISGAM CRATER, CALIFORNIA	101W	APQ-97	RADAR
VR-33-EJ-023-00064	2 NOV 65	023 INYO NATIONAL FOREST, CALIFORNIA	101W	APQ-97	RADAR

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-33-EJ-024-00065	2 NOV 65	024 SAN ANDREAS FAULT, CALIFORNIA	101W	APG-97	RADAR 9-1/2 IN. 42
VR-33-EJ-025-00066	2 NOV 65	025 DEVILS PLAYGROUND, CALIFORNIA	101W	APG-97	RADAR 9-1/2 IN. 42
VR-33-EJ-00067	2 NOV 65	000 SAN FRANCISCO PENINSULA	101W	APG-97	RADAR 9-1/2 IN. 42
VR-33-EJ-026-00068	4 NOV 65	026 SCRIPPS BEACH, CALIFORNIA	102W	APG-97	RADAR 9-1/2 IN. 45
VR-33-EJ-027-00069	4 NOV 65	027 SALTON SEA, CALIFORNIA	102W	APG-97	RADAR 9-1/2 IN. 45
VR-33-EJ-002-00070	4 NOV 65	002 PISGAH CRATER, CALIFORNIA	102W	APG-97	RADAR 9-1/2 IN. 45
VR-33-EJ-028-00071	5 NOV 65	028 WINSLOW, ARIZONA	103W	APG-97	RADAR 9-1/2 IN. 37
VR-33-EJ-101-00072	5 NOV 65	101 SAN FRANCISCO VOLCANIC FIELDS, ARIZONA	103W	APG-97	RADAR 9-1/2 IN. 37
VR-33-EJ-031-00073	5 NOV 65	031 MEGALITE SEDIMENTARY, ARIZONA	103W	APG-97	RADAR 9-1/2 IN. 37
VR-33-EJ-071-00074	5 NOV 65	071 HOPI BUTTES, ARIZONA	103W	APG-97	RADAR 9-1/2 IN. 37
VR-33-EJ-029-00075	6 NOV 65	029 PHOENIX, ARIZONA	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-030-00076	6 NOV 65	030 TUCSON, ARIZONA	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-015-00077	6 NOV 65	015 TWIN BUTTES, ARIZONA	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-014-00078	6 NOV 65	014 LITTLE DRAGOON MOUNTAINS, ARIZONA	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-021-00079	6 NOV 65	032 WILLcox URY LAKE, ARIZONA	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-013-00080	6 NOV 65	013 SILVER CITY, NEW MEXICO	104W	APG-97	RADAR 9-1/2 IN. 30
VR-33-#H-016-00081	9 NOV 65	016 SOLITARIO, TEXAS	105W	APG-97	RADAR 9-1/2 IN. 35
VR-33-PH-033-00082	9 NOV 65	033 GUADALUPE RIVER, TEXAS	105W	APG-97	RADAR 9-1/2 IN. 35
VR-33-EJ-045-00083	10 NOV 65	045 ORANGE, VIRGINIA	106W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-046-00084	10 NOV 65	046 ASHEVILLE, NORTH CAROLINA	106W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-125-00085	10 NOV 65	125 ROXBORO RESERVOIR, NORTH CAROLINA	106W	APG-97	RADAR 9-1/2 IN. 30
VR-33-EJ-000-00086	10 NOV 65	000 MISSISSIPPI RIVER	106W	APG-97	RADAR 9-1/2 IN. 30

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION	
				MIS-	SION
VR-33-CJ-000-00087	10 NOV 65	000 MISSISSIPPI/ALABAMA/GEORGIA	106W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00088	8 JUL 66	000 HONEY BROOK, PENNSYLVANIA	122W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00089	14 JUL 66	000 CHESAPEAKE BAY	123W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00090	14 JUL 66	000 ATLANTIC COAST LINE	123W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00091	14 JUL 66	000 QUANTICO, VIRGINIA	123W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00092	14 JUL 66	000 WASHINGTON, D.C.	123W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00093	19 JUL 66	040 CASCADE MOUNTAINS, WASHINGTON	124W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00094	22 JUL 66	000 WILLIAMSPORT AREA	125W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00095	22 JUL 66	000 ESSEX ROAD	125W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00096	22 JUL 66	000 MASSACHUSETTS AREA	125W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00097	22 JUL 66	000 BALTIMORE, MARYLAND	125W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-043-00098	26 JUL 66	043 CHICAGO, ILLINOIS	126W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-044-00099	26 JUL 66	044 PURDIE, INDIANA	126W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00100	26 JUL 66	040 KANSAS CITY	126W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00101	26 JUL 66	000 SHELBYVILLE, INDIANA	126W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-076-00102	27 JUL 66	076 GARDEN CITY, KANSAS	127W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-034-00103	27 JUL 66	034 OUACHITA MOUNTAINS, ARKANSAS/OKLA.	127W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00104	27 JUL 66	000 LITTLE ROCK TO MEMPHIS	127W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00105	28 JUL 66	000 CROOKED CREEK	128W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00106	28 JUL 66	000 LITTLE ROCK, ARKANSAS	128W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00107	28 JUL 66	000 MEMPHIS, TENNESSEE	128W APQ-97	RADAR	9-1/2 IN.
VR-33-CJ-000-00108	28 JUL 66	000 BOSTON MOUNTAINS	128W APQ-97	RADAR	9-1/2 IN.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-33-GJ-000-00109	29 JUL 66	000 LOUISVILLE, KENTUCKY	129W APQ-97	9-1/2 IN.	36
VR-33-GJ-000-00110	29 JUL 66	000 LEXINGTON, KENTUCKY	129W APQ-97	9-1/2 IN.	36
VR-33-GJ-000-00111	29 JUL 66	000 DYERSBURG TO STEUBENVILLE, ILLINOIS	129W APQ-97	9-1/2 IN.	36
VR-33-GJ-000-00112	29 JUL 66	000 LEWISBURG, VIRGINIA	129W APQ-97	9-1/2 IN.	36
VR-33-GJ-000-00113	11 AUG 66	000 GULF STREAM	130W APQ-97	9-1/2 IN.	40
VR-33-GJ-000-00114	11 AUG 66	000 CAPE HATTERAS	130W APQ-97	9-1/2 IN.	40

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					MISSION	INSTRUMENT
VR-34-EJ-000-00001	8 JUL 66	068 MISSISSIPPI VALLEY, MISSOURI/ TENN.	1/S RECONOFAX IV	TRI-X	70 MM	25
VR-34-EJ-000-00002	8 JUL 66	000 EVANSTON, INDIANA TO ST. LOUIS, MO.	3/S RECONOFAX IV	TRI-X	70 MM	25
VR-34-EJ-029-00003	30 JUL 66	129 ARKANSAS BASIN	4/S RECONOFAX IV	TRI-X	70 MM	30
VR-34-EJ-000-00004	30 JUL 66	000 AMARILLO, TEXAS	4/S RECONOFAX IV	TRI-X	70 MM	30
VR-34-EJ-000-00005	30 JUL 66	000 NEW MEXICO AREA	5/S RECONOFAX IV	TRI-X	70 MM	30
VR-34-EJ-013-00006	31 JUL 66	013 SILVER CITY, NEW MEXICO	6/S RECONOFAX IV	TRI-X	70 MM	75
VR-34-EJ-015-00007	31 JUL 66	015 TWIN BUTTES, ARIZONA	6/S RECONOFAX IV	TRI-X	70 MM	75
VR-34-EJ-000-00008	31 JUL 66	060 ALBUQUERQUE TO PHOENIX	6/S RECONOFAX IV	TRI-X	70 MM	75
VR-34-EJ-026-00009	1 AUG 66	028 WINSLOW, ARIZONA	7/S RECONOFAX IV	TRI-X	70 MM	15
VR-34-EJ-101-00010	1 AUG 66	101 SAN FRANCISCO VOLCANIC FIELDS, ARIZ	7/S RECONOFAX IV	TRI-X	70 MM	15
VR-34-EJ-020-00011	1 AUG 66	000 METEOR CRATER TO PHOENIX	7/S RECONOFAX IV	TRI-X	70 MM	15
VR-34-EJ-026-00012	2 AUG 66	028 WINSLOW, ARIZONA	8/S RECONOFAX IV	TRI-X	70 MM	50
VR-34-EJ-071-00013	2 AUG 66	071 HOPI BUTTES, ARIZONA	8/S RECONOFAX IV	TRI-X	70 MM	50
VR-34-EJ-101-00014	2 AUG 66	101 SAN FRANCISCO VOLCANIC FIELDS, ARIZ	8/S RECONOFAX IV	TRI-X	70 MM	50
VR-34-EJ-000-00015	2 AUG 66	000 PHOENIX TO WINSLOW	8/S RECONOFAX IV	TRI-X	70 MM	50
VR-34-EJ-071-00016	3 AUG 66	071 HOPI BUTTES, ARIZONA	9/S RECONOFAX IV	TRI-X	70 MM	50
VR-34-EJ-000-00017	3 AUG 66	060 PHOENIX TO WINSLOW	9/S RECONOFAX IV	TRI-X	70 MM	30
VR-34-EJ-071-00018	4 AUG 66	071 HOPI BUTTES, ARIZONA	10/S RECONOFAX IV	TRI-X	70 MM	90
VR-34-EJ-000-00019	4 AUG 66	060 PAXTON SPRINGS	10/S RECONOFAX IV	TRI-X	70 MM	90
VR-34-EJ-000-00020	4 AUG 66	060 REDWOOD PEAK	10/S RECONOFAX IV	TRI-X	70 MM	90
VR-34-EJ-000-00021	4 AUG 66	000 SAN JUAN MOUNTAINS	10/S RECONOFAX IV	TRI-X	70 MM	90
VR-34-EJ-000-00022	5 AUG 66	060 MONTROSE TO SILVERTON	11/S RECONOFAX IV	TRI-X	70 MM	25

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-34-EJ-000-00023	5 AUG 66	000 MONTROSE TO DISAPPOINTMENT VALLEY	11/S	RECONOFAX IV	TRI-X
VR-34-EJ-000-00024	5 AUG 66	000 PARACOX	11/S	RECONOFAX IV	TRI-X
VR-34-EJ-030-00025	6 AUG 66	038 GREAT SAGE PLAIN, UTAH/CO. COLORADO	12/S	RECONOFAX IV	TRI-X
VR-34-EJ-000-00026	6 AUG 66	000 UTAH AND RECON. LINES	12/S	RECONOFAX IV	TRI-X
VR-34-EJ-000-00027	6 AUG 66	000 COLORADO TO CEDAR CITY, UTAH	12/S	RECONOFAX IV	TRI-X
VR-34-EJ-001-00028	7 AUG 66	001 CEDAR CITY, UTAH	13/S	RECONOFAX IV	TRI-X
VR-34-EJ-009-00029	7 AUG 66	009 SAN FRANCISCO DISTRICT, UTAH	13/S	RECONOFAX IV	TRI-X
VR-34-EJ-005-00030	8 AUG 66	005 EUREKA (TINTIC DISTRICT), UTAH	15/S	RECONOFAX IV	TRI-X
VR-34-EJ-096-00031	8 AUG 66	096 DIXIE/FISH LAKE NATIONAL FOREST, UTAH	15/S	RECONOFAX IV	TRI-X
VR-34-EJ-009-00032	8 AUG 66	009 SAN FRANCISCO DISTRICT, UTAH	15/S	RECONOFAX IV	TRI-X
VR-34-EJ-001-00033	9 AUG 66	001 CEDAR CITY, UTAH	16/S	RECONOFAX IV	TRI-X
VR-34-EJ-096-00034	9 AUG 66	096 DIXIE/FISH LAKE NATIONAL FOREST, UTAH	16/S	RECONOFAX IV	TRI-X
VR-34-EJ-022-00035	10 AUG 66	022 TONOPAH, NEVADA	17/S	RECONOFAX IV	TRI-X
VR-34-EJ-052-00036	10 AUG 66	052 NEVADA AEC	17/S	RECONOFAX IV	TRI-X
VR-34-EJ-079-00037	10 AUG 66	079 GOLDFIELD, NEVADA	17/S	RECONOFAX IV	TRI-X
VR-34-EJ-010-00038	11 AUG 66	010 CARSON CITY, NEVADA	18/S	RECONOFAX IV	TRI-X
VR-34-EJ-021-00039	11 AUG 66	021 BATTLE MOUNTAIN, NEVADA	18/S	RECONOFAX IV	TRI-X
VR-34-EJ-054-00040	11 AUG 66	054 SMOKE CREEK DESERT/HEBER, UTAH	18/S	RECONOFAX IV	TRI-X
VR-34-EJ-073-00041	11 AUG 66	073 LYNN DISTRICT NEVADA	18/S	RECONOFAX IV	TRI-X
VR-34-EJ-000-00042	11 AUG 66	000 N.W. OF TONOPAH, NEVADA	18/S	RECONOFAX IV	TRI-X
VR-34-EJ-011-00043	13 AUG 66	011 YELLOWSTONE NATIONAL PARK, WYO/MONT 19/S IDAHO	19/S	RECONOFAX IV	TRI-X

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-34-EJ-011-00044	14 AUG 66	011	YELLOWSTONE NATIONAL PARK, WYO/MONT /IDAHO	RECONOFAX IV	TRI-X
VR-34-EJ-011-00045	14 AUG 66	011	YELLOWSTONE NATIONAL PARK, WYO/MONT /IDAHO	RECONOFAX IV	TRI-X
VR-34-EJ-011-00046	15 AUG 66	011	YELLOWSTONE NATIONAL PARK, WYO/MONT /IDAHO	RECONOFAX IV	TRI-X
VR-34-EK-009-00047	16 AUG 66	009	BLACKBIRD DISTRICT, IDAHO	23/S	RECONOFAX IV
VR-34-EK-009-00048	16 AUG 66	009	ALBERTON, MONTANA	23/S	RECONOFAX IV
VR-34-EK-012-00049	16 AUG 66	110	CLARK FORK, IDAHO	23/S	RECONOFAX IV
VR-34-CJ-007-00050	18 AUG 66	007	COAST RANGE, OREGON/WASHINGTON	25/S	RECONOFAX IV
VR-34-CJ-009-00051	18 AUG 66	000	SOUTH OREGON STRIP, OREGON	25/S	RECONOFAX IV
VR-34-CJ-012-00052	18 AUG 66	012	CRATER LAKE, OREGON	25/S	RECONOFAX IV
VR-34-CJ-007-00053	19 AUG 66	007	COAST RANGE, OREGON/WASHINGTON	26/S	RECONOFAX IV
VR-34-EJ-008-00054	19 AUG 66	000	SOUTH OREGON STRIP, OREGON	26/S	RECONOFAX IV
VR-34-CJ-012-00055	19 AUG 66	012	CRATER LAKE, OREGON	26/S	RECONOFAX IV

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-35-2J-048-00001	JUL 69	048 SAN FABIO RESERVOIR	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 60,000 60,000 60,000	ZEISS, SG, COLOR IR SO117, 12 IN. REMARKS
ROLL 3	LINE 7	130 - 133	60,000 MSL		
3	8	164 - 186	60,000 MSL		
3	9	198 - 201	60,000 MSL		
MAP NO., NJ 10-6.					
VR-35-2J-019-00002	JUL 69	019 SONORA PASS, CALIFORNIA	ALTITUDE EXPOSURE NUMBERS	ALI E 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 3	LINE 4	065 - C6/	60,000 MSL		
MAP NO., NJ 11-4.					
-3-35-2J-023-00003	JUL 69	003 MONO LAKE	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 3	LINE 1	025 - C2/	60,000 MSL		
MAP NO., NJ 11-4, NJ 11-7.					
VR-35-2J-191-00004	JUL 69	193 ELDORADO FOREST	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL 60,000 MSL 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 3	LINE 7	149 - 156	60,000 MSL		
3	8	159 - 166	60,000 MSL		
3	9	222 - 229	60,000 MSL		
MAP NO., NJ 10-6.					
VR-35-2J-020-00005	JUL 69	020 BUCKE LAKES	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 5	LINE 6	160 - 18/	60,000 MSL		
5	9	200 - 206	60,000 MSL		
MAP NO., NJ 10-3.					
VR-35-2J-056-00006	JUL 69	056 LASSEN PEAK	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 5	LINE 5	090 - C94	60,000 MSL		
MAP NO., NK 10-12.					
VR-35-2J-169-CJ007	JUL 69	189 KLAMATH FALLS	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 5	LINE 1	024 - C12	60,000 MSL		
5	2	013 - C24	60,000 MSL		
MAP NO., NK 10-6.					
VR-35-2J-135-00008	JUL 69	135 HARVEY VALLEY	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL 60,000 MSL	ZEISS, 15G, COLOR IR SO117, 12 IN. REMARKS
ROLL 5	LINE 3	032 - C46	60,000 MSL		
5	4	060 - C73	60,000 MSL		
MAP NO., NK 10-12.					
VR-35-2J-194-00009	AUG 69	194 DENVER, COLORADO	ALTITUDE EXPOSURE NUMBERS	SCALE 60,000 MSL 60,000 MSL	ZEISS, ZEISS 81 COLOR IR SO117, 12 IN. REMARKS
ROLL 2	LINE 1	305 - 00/	60,000 MSL		
2	2	006 - C13	60,000 MSL		
2	3	014 - C16	60,000 MSL		
2	4	019 - C24	60,000 MSL		
2	5	025 - C24	60,000 MSL		
2	6	030 - C34	60,000 MSL		
2	6	035 - C40	60,000 MSL		
-.120,000					

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ACCESSION NUMBER	DATE	SITE N.J.	SITE NAME	MISSESION	INSTRUMENT CONFIGURATION
VR-35-EJ-00010 R2	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000	ZEISS, ZEISS 'B', COLOR IR SO117, 12 IN. REMARKS
	2	1	043 - C52	60,000 MSL	
	2	2	053 - C55	60,000 MSL	
VR-35-EJ-149-00011 03	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 6C,000 60,000	ZEISS, ZEISS 'B', COLOR IR SO117, 12 IN. REMARKS
	2	1	056 - C73	60,000 MSL	
	2	2	074 - C95	60,000 MSL	
VR-35-EJ-011-00012 04	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 60,000	ZEISS, ZEISS 'B', COLOR IR SO117, 12 IN. REMARKS
	2	1	098 - 107	60,000 MSL	
	2	2	108 - 116	60,000 MSL	
	2	3	117 - 125	60,000 MSL	
	2	4	126 - 135	60,000 MSL	
	2	5	136 - 145	60,000 MSL	
	2	6	146 - 155	60,000 MSL	
	2	7	156 - 165	60,000 MSL	
	2	8	166 - 175	60,000 MSL	
	2	9	176 - 185	60,000 MSL	
				60,000 MSL	
VR-35-EJ-149-00013 06	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 60,000	ZEISS, ZEISS 'B', SO117, 12 IN. REMARKS
	4	1	007 - 024	60,000 MSL	
	4	2	025 - 046	60,000 MSL	
	4	3	047 - 072	60,000 MSL	
	4	3	073 - C93	60,000 MSL	
VR-35-EJ-195-00014 08	AUG 69	195 BROOKINGS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 60,000	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.
	4	1	094 - 116	60,000 MSL	
	4	2	119 - 145	60,000 MSL	
	4	3	146 - 172	60,000 MSL	
	4	4	174 - 202	60,000 MSL	
VR-35-EJ-186-00015 09	AUG 69	186 CLARKS FORK, WYOMING LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 60,000 60,000 60,000	ZEISS, ZEISS 'B', SO117, 12 IN. REMARKS
	6	1	005 - C09	60,000 MSL	
	6	2	010 - C14	60,000 MSL	
	6	3	015 - C19	60,000 MSL	
VR-35-EJ-011-00016 09	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 60,000 60,000 60,000	ZEISS, ZEISS 'B', SO117, 12 IN. REMARKS
	6	1	020 - C31	60,000 MSL	
	6	2	032 - C43	60,000 MSL	
	6	3	044 - 054	60,000 MSL	
	6	4	055 - C66	60,000 MSL	
	6	5	067 - C76	60,000 MSL	
	6	6	077 - C86	60,000 MSL	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
NR-35-EJ-030-00017	AUG 69	ROLL LINE 1	EXPOSURE NUMBERS ALTITUDE	SCALE	REMARKS
		003 - C26	60,000 YSL	60,000	ZEISS, ZEISS B, S0117, 12 IN.
		027 - C46	60,000 YSL	60,000	
		047 - C67	60,000 YSL	60,000	
		068 - C86	60,000 YSL	60,000	
		089 - 109	60,000 YSL	60,000	
		110 - 130	60,000 YSL	60,000	
NR-35-EJ-105-00018	AUG 69	105 WEST, BONANZA AREA, COLORADO ROLL LINE	EXPOSURE NUMBERS ALTITUDE	SCALE	REMARKS
		007 - C1 /	60,000 YSL	60,000	
		018 - C30	60,000 YSL	60,000	
		037 - C50	60,000 YSL	60,000	
		054 - 071	60,000 YSL	60,000	
		072 - C90	60,000 YSL	60,000	
		091 - 114	60,000 YSL	60,000	
		115 - 134	60,000 YSL	60,000	
		135 - 155	60,000 YSL	60,000	
		156 - 174	60,000 YSL	60,000	
		175 - 193	60,000 YSL	60,000	
		196 - 206	60,000 YSL	60,000	
NR-35-EJ-105-00019	AUG 69	105 EAST, BONANZA AREA, COLORADO ROLL LINE	EXPOSURE NUMBERS ALTITUDE	SCALE	REMARKS
		003 - C25	60,000 YSL	60,000	CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS
		024 - C45	60,000 YSL	60,000	CLOUD COVER APPROXIMATELY 50 PER CENT CIRRUS,
		046 - C48	60,000 YSL	60,000	CLOUD COVER APPROXIMATELY 60 PER CENT CIRRUS AND CUMULUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
NR-35-EJ-00020	JUL 69	007 OREGON COAST ROLL LINE	EXPOSURE NUMBERS ALTITUDE	SCALE	REMARKS
		004 - 035	60,000 YSL	60,000	80 PER CENT CLOUD COVER
		036 - 069	60,000 YSL	60,000	CLOUD COVER
		101 - 104	60,000 YSL	60,000	MOUTH OF COLUMBIA RIVER NORTH TO SOUTH OVER OCEAN
		105 - 135	60,000 YSL	60,000	SOUTH TO NORTH OVER OCEAN
		136 - 167	60,000 YSL	60,000	NORTH TO SOUTH OVER OCEAN
		168 - 197	60,000 YSL	60,000	CAPE BLANCO, CALIF. CLEARING CAMERA OF EXCESS
		198 - 210	60,000 YSL	60,000	THE FLIGHT PLAN "LINES 1-6 OVER THE OREGON COAST HAVE BEEN REDESIGNED AS LINES 2-7. SINCE THE ORIGINAL LINE 1 WAS NOT FILMED.
		OVER			(CLEARING CAMERA). THIS IS THE TAIL OF ROLL 1 OF 5
	1	211 - 226		60,000 YSL	MAP NOS. NW 10-2, NE 10-8, SW 10-11, SE 10-14

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-36-EJ-194-00001 01	AUG 69	194 DENVER, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 89-3, SO246, 3 IN. REMARKS
	1	001 - C11	60,000 MSL	1.120,000	
	1	004 - C14	60,000 MSL	1.120,000	
	1	011 - C16	60,000 MSL	1.120,000	
	1	017 - C22	60,000 MSL	1.120,000	
	1	023 - C28	60,000 MSL	1.120,000	
	1	029 - C33	60,000 MSL	1.120,000	
	1	034 - C39	60,000 MSL	1.120,000	
VR-36-EJ-011-00002 02	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 2A, 3400, 3 IN. REMARKS
	1	001 - C10	60,000 MSL	1.120,000	
	1	011 - C12	60,000 MSL	1.120,000	
VR-36-EJ-149-00003 03	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 12, SO366, 3 IN. REMARKS
	1	001 - C18	60,000 MSL	1.120,000	
	1	019 - C42	60,000 MSL	1.120,000	
VR-36-EJ-011-00004 04	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 2A, 3400, 3 IN. REMARKS
	1	001 - C11	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	012 - C21	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	022 - C32	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	033 - C43	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	044 - C54	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	055 - C10	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	061 - C36	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	067 - C72	60,000 MSL	1.120,000	APPROXIMATELY 2% PER CENT CLOUD COVER
	1	073 - C16	60,000 MSL	1.120,000	APPROXIMATELY 5% PER CENT CLOUD COVER
VR-36-EJ-149-00005 05	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 12, COLOR SO366, 3 IN. REMARKS
	1	001 - C20	60,000 MSL	1.120,000	
	1	021 - C42	60,000 MSL	1.120,000	
	1	046 - C54	60,000 MSL	1.120,000	
	1	055 - C73	60,000 MSL	1.120,000	
VR-36-EJ-195-00006 06	AUG 69	195 BROOKINGS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL	SCALE 1.120,000	HASSELBLAD A, 12, COLOR SO366, 3 IN. REMARKS
	1	074 - C1C	60,000 MSL	1.120,000	
	2	087 - C91	60,000 MSL	1.120,000	
	3	092 - 106	60,000 MSL	1.120,000	THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-36-EJ-186-00007 09	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS	1.1	HASSELBLAD A, 2A, 3400, 3 IN. REMARKS
ROLL 6	LINE 1	001 - C03	60,000 YSL	1.1	
	2	006 - C10	60,000 YSL	1.1	
	3	011 - C15	60,000 YSL	1.1	
VR-36-EJ-011-00006 09	AUG 69	011 YELLOWSTONE PARK	EXPOSURE NUMBERS	1	HASSELBLAD A, 2A, 3400, 3 IN. REMARKS
ROLL 6	LINE 1	016 - C27	60,000 YSL	1.120,000	SCALE
	2	028 - C39	60,000 YSL	1.120,000	
	3	040 - C50	60,000 YSL	1.120,000	
	4	051 - C62	60,000 YSL	1.120,000	
	5	063 - C72	60,000 YSL	1.120,000	
	6	073 - C74	60,000 YSL	1.120,000	
VR-36-EJ-030-00009 10	AUG 69	030 TUCSON/AJJO, ARIZONA	EXPOSURE NUMBERS	101	HASSELBLAD A, 2A, 3400, 3 IN. REMARKS
ROLL 11	LINE 1	001 - C23	60,000 YSL	1.120,000	SCALE
	2	024 - C41	60,000 YSL	1.120,000	
	3	042 - C59	60,000 YSL	1.120,000	
	4	060 - C76	60,000 YSL	1.120,000	
	5	077 - C93	60,000 YSL	1.120,000	
	6	094 - 101	60,000 YSL	1.120,000	
VR-36-EJ-185-00010 11	AUG 69	185 WEST, BONANZA AREA, COLORADO	EXPOSURE NUMBERS	101	HASSELBLAD A, 80-3, 50246, 3 IN. REMARKS
ROLL 7	LINE 1	001 - C11	60,000 YSL	1.120,000	SCALE
	2	012 - C32	60,000 YSL	1.120,000	
	3	033 - C51	60,000 YSL	1.120,000	
	4	052 - C70	60,000 YSL	1.120,000	
	5	071 - C91	60,000 YSL	1.120,000	
	6	200 - 202	60,000 YSL	1.120,000	
VR-36-EJ-185-00011 12	AUG 69	185 EAST, BONANZA AREA, COLORADO	EXPOSURE NUMBERS	101	HASSELBLAD A, 80-3, 50246, 3 IN. REMARKS
ROLL 9	LINE 11	001 - C23	60,000 YSL	1.120,000	CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS.
	12	024 - C46	60,000 YSL	1.120,000	CLOUD COVER APPROXIMATELY 50 PER CENT CIRRUS.
	13	047 - C49	60,000 YSL	1.120,000	CLOUD COVER APPROXIMATELY 80 PER CENT CIRRUS AND CUMULUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
VR-36-EJ-193-00012 17	JUL 69	193 ELDORADO FOREST	EXPOSURE NUMBERS	100	HASSELBLAD A, 14C, COLOR IR 50100, 3 IN. REMARKS
ROLL 1	LINE 7	13 - 27	60,000 YSL	1.360,000	SCALE
	8	28 - 43	60,000 YSL	1.360,000	MAP NO. NJ 10-6.

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SESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
J-020-00013	JUL 69	020 BUCKS LAKE LINE EXPOSURE NUMBERS 6 - /2	ALTITUDE 60,000 MSL	SCALE 1:360,000	HASSELBLAD A, 15C, COLOR IR S0100, 3 IN. MAP NO. NJ 10-3.
J-020-00014	JUL 69	135 HARVEY VALLEY LINE EXPOSURE NUMBERS 3 - 40 4 - 61	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:360,000 1:360,000	HASSELBLAD A, 15C, COLOR IR S0100, 3 IN. MAP NO. NJ 10-3.
J-020-00015	JUL 69	109 KLAHATH FALLS LINE EXPOSURE NUMBERS 1 - 10 2 - 21	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:360,000 1:360,000	HASSELBLAD A, 15C, COLOR IR S0100, 3 IN. MAP NO. NJ 10-3.
VR-36-2J-009-00016	JUL 69	048 SAN PABLO RESERVORIA LINE EXPOSURE NUMBERS 7 - 12 8 - 28 9 - 70	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1:360,000 1:360,000 1:360,000	HASSELBLAD A, 15C, COLOR IR S0100, 3 IN. MAP NO. NJ 10-6.
VR-36-2J-007-00017	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 1 - 47 2 - 90	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD A, 244B, 2AV, 3 IN. DARK DARK MAP NO. NK 10-2.
VR-36-2J-007-00018	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 3 - 48 4 - 84	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD A, 244B, 2AV, 3 IN. DARK DARK MAP NO. NK 10-2.
VR-36-2J-007-00019	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 6 - 48 7 - 83	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD A, 244B, 2AV, 3 IN. DARK DARK MAP NO. NK 10-2.
VR-36-2J-007-00020	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 8 - 17 9 - 25	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD A, 244B, 2AV, 3 IN. DARK DARK MAP NO. NK 10-2.
VR-36-2J-007-00021	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 28 - 29 29 - 39 30 - 64	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000 1:4,000	HASSELBLAD A, 244B, 2AV, 3 IN. MAP NO. NK 10-2.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION			
					EXPOSURE NUMBER	ALTITUDE	SCALE	REMARKS
VR-36-2J-007-00022	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS	ALTIMETER	99	HASSELBLAD A, 2448, 24V, 3 IN.		
		21	1 - 8	1,000 MSL	1.4,000	DARK		
		22	9 - 19	1,000 MSL	1.4,000	DARK		
		23	20 - 29	1,000 MSL	1.4,000	DARK		
		24	30 - 41	1,000 MSL	1.4,000	DARK		
		25	42 - 51	1,000 MSL	1.4,000	DARK		
		26	52 - 59	1,000 MSL	1.4,000	DARK		
		27	60 - 74	1,000 MSL	1.4,000	DARK		
		28	75 - 83	1,000 MSL	1.4,000	DARK		
						MAP NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4		
VR-36-2J-007-00023	AUG 69	007 OREGON COAST ROLL LINE	EXPOSURE NUMBERS	ALTIMETER	99	HASSELBLAD A, 2448, 24V, 3 IN.		
		31	1 - 9	1,000 MSL	1.4,000	DARK		
		32	10 - 16	1,000 MSL	1.4,000	DARK		
		33	17 - 24	1,000 MSL	1.4,000	DARK		
		34	25 - 31	1,000 MSL	1.4,000	DARK		
		35	32 - 46	1,000 MSL	1.4,000	DARK		
		36	47 - 61	1,000 MSL	1.4,000	DARK		
		36	62 - 72	1,000 MSL	1.4,000	DARK		
		39+40	73 - 89	1,000 MSL	1.4,000	DARK		
						NOT ON FLIGHT LOG - PROBABLY FLIGHT LINES 39 + 40.		
						MAP NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4		
VR-36-2J-007-00024	AUG 69	007 OREGON COAST ROLL LINE	EXPOSURE NUMBERS	ALTIMETER	99	HASSELBLAD A, 2448, 24V, 3 IN.		
		41	1 - 23	1,000 MSL	1.4,000	CLOUD COVER		
		42	24 - 36	1,000 MSL	1.4,000	CLOUD COVER		
		43	37 - 47	1,000 MSL	1.4,000	CLOUD COVER		
		44	48 - 66	1,000 MSL	1.4,000	CLOUD COVER		
						MAP NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4		
VR-36-2J-007-00025	AUG 69	007 OREGON COAST ROLL LINE	EXPOSURE NUMBERS	ALTIMETER	99	HASSELBLAD A, 2448, 24V, 3 IN.		
		6+7	1 - 58	1,000 MSL	1.4,000	CLOUDS + IMAGE TOO POOR TO IDENTIFY FLIGHT		
		8	69 - 88	1,000 MSL	1.4,000	CLOUDS + IMAGE TOO POOR TO IDENTIFY FLIGHT		
						MAP NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4		
VR-36-2J-007-00026	AUG 69	007 OREGON COAST ROLL LINE	EXPOSURE NUMBERS	ALTIMETER	99	HASSELBLAD A, 2448, 24V, 3 IN.		
		1	1 - 43	1,000 MSL	1.4,000	DARK		
		2	44 - 86	1,000 MSL	1.4,000	DARK		
						MAP NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4		

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-36-2J-007-00027 11	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS 10 3	ALTITUDE 1,000 MSL	SCALE 1:4,000	HASSELBLAD A, 2448, 24V, 3 IN. MAP NO. NK 10-2. NL 10-8, NK 10-11, NK 10-1, 4 REMARKS 77
VR-36-2J-007-00028 21	AUG 69	C 7 OREGON COAST LINE EXPOSURE NUMBERS ROLL 21	ALTITUDE 10 11 - 19 11 - 28 11 - 37 11 - 42 11 - 44 11 - 46 11 - 48 11 - 51	SCALE 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000	HASSELBLAD A, 2448, 24V, 3 IN. HEAVY OVERCAST HEAVY OVERCAST HEAVY OVERCAST HEAVY OVERCAST INDEFINITE INDEFINITE INDEFINITE INDEFINITE MAP NO. NK 10-2. NL 10-8, NK 10-11, NK 10-1, 4 REMARKS FLIGHTLINES
VR-36-2J-007-00029 12	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS ROLL 31	ALTITUDE 9 10 - 18 19 - 27 28 - 34 35 - 45 46 - 50 51 - 63 64 - 76 77 - 83	SCALE 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000 1:4,000	HASSELBLAD A, 2448, 24V, 3 IN. MAP NO. NK 10-2. NL 10-8, NK 10-11, NK 10-1, 4 REMARKS

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- E.ON	INSTRUMENT CONFIGURATION	
VR-37-ZJ-194-00001 01	AUG 69	194 DENVER, COLORADO LINE	EXPOSURE NUMBERS 001 - C33 004 - C10 011 - C16 017 - C22 023 - C28 029 - C33 034 - C39	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000	101 HASSELBLAD B, 26A, 2402, 3 IN. REMARKS
VR-37-ZJ-011-00002 02	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS 001	ALTITUDE 60,000 MSL	SCALE 1.120,000	101 HASSELBLAD B, 5A, 3420, 3 IN. REMARKS
VR-37-ZJ-149-00003 03	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 013 - C30 031 - C54	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000	101 HASSELBLAD B, 5A, 3400, 3 IN. REMARKS
VR-37-ZJ-011-00004 04	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS 001 - C11 012 - C21 022 - C32 033 - C43 044 - C54 055 - C60 061 - C66 067 - C72 073 - C78	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000 1.120,000	101 HASSELBLAD B, 26A, 3400, 3 IN. REMARKS
VR-37-ZJ-149-00005 05	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 001 - C20 045 - 054 055 - 075	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000	101 HASSELBLAD B, 5A, 3400, 3 IN. REMARKS
VR-37-ZJ-195-00006 06	AUG 69	195 BROOKINGS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 074 - 086 087 - 091 092 - 106	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1.120,000 1.120,000 1.120,000	101 HASSELBLAD B, 5A, 3400, 3 IN. REMARKS
						THE AIRCRAFT WENT OFF COURSE DURING THIS LINE.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-37-EJ-186-00007 09	AUG 69	186 LINE	CLARKS FORK, WYOMING	SCALE 1:120,000 60,000 MSL	HASSELBLAD B, 25A, 3400, 3 IN. REMARKS
		1	EXPOSURE NUMBERS 001 - C03		
		9	1	60,000 MSL	
		9	1	60,000 MSL	
		9	1	60,000 MSL	
VR-37-EJ-011-00008 09	AUG 69	011 LINE	YELLOWSTONE PARK	SCALE 1:120,000 60,000 MSL	HASSELBLAD B, 25A, 3400, 3 IN. REMARKS
		1	EXPOSURE NUMBERS 016 - C21		
		9	2	60,000 MSL	
		9	3	60,000 MSL	
		9	4	60,000 MSL	
		9	5	60,000 MSL	
		9	6	60,000 MSL	
VR-37-EJ-030-00009 10	AUG 69	030 LINE	TUCSON/AJD, ARIZONA	SCALE 1:120,000 50,000 MSL	HASSELBLAD B, 25-A, 3400, 3 IN. REMARKS
		1	EXPOSURE NUMBERS 001 - 023		
		12	2	60,000 MSL	
		12	3	60,000 MSL	
		12	4	60,000 MSL	
		12	5	60,000 MSL	
VR-37-EJ-185-00010 11	AUG 69	185 LINE	WEST, BONANZA AREA, COLORADO	SCALE 1:120,000 60,000 MSL	HASSELBLAD B, 25-A, 2402, 3 IN. REMARKS
		1	EXPOSURE NUMBERS 001 - C11		
		3	2	60,000 MSL	
		3	3	60,000 MSL	
		3	5	60,000 MSL	
		3	7	60,000 MSL	
		3	9	60,000 MSL	
		3	1	60,000 MSL	
VR-37-EJ-185-00011 12	AUG 69	185 LINE	EAST, BONANZA AREA, COLORADO	SCALE 1:120,000 60,000 MSL	HASSELBLAD B, 25-A, 2402, 3 IN. REMARKS
		11	EXPOSURE NUMBERS 001 - C23		CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS.
		12	024	60,000 MSL	CLOUD COVER APPROXIMATELY 50 PER CENT CIRRUS.
		7	047	60,000 MSL	CLOUD COVER APPROXIMATELY 80 PER CENT CIRRUS AND CUMULUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
VR-37-EJ-193-00012 17	JUL 69	193 LINE	ELDORADO FOREST	SCALE 1:360,000 60,000 MSL	HASSELBLAD B, 2A, EXTRACHROME 2448, 3 IN. REMARKS
		1	EXPOSURE NUMBERS 13 - 27		
		1	28 - 43	60,000 MSL	MAP NO. NJ 10-6.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-37-2J-020-00013 16	JUL 69	020 BUCKS LAKE LINE	ALTITUDE 65,000 MSL	SCALE 1:360,000	HASSELBLAD B, 2A, EKTACHROME 2448, 3 IN. REMARKS MAP NO. NJ 10-3.
VR-37-2J-135-00014 18	JUL 69	135 HARVEY VALLEY LINE	ALTITUDE 60,000 MSL 27 - 40 21 - 61	SCALE 1:360,000 1:360,000	HASSELBLAD B, 2A, EKTACHROME 2448, 3 IN. REMARKS MAP NO. NK 10-12.
VR-37-2J-189-00015 18	JUL 69	189 KLAMATH FALLS LINE	ALTITUDE 60,000 MSL 01 - 10 11 - 21	SCALE 1:360,000 1:360,000	HASSELBLAD B, 2A, EKTACHROME 2448, 3 IN. REMARKS MAP NO. NK 10-6.
VR-37-2J-048-00016 17	JUL 69	048 SAN PABLO RESERVOIR LINE	ALTITUDE 60,000 MSL 01 - 12 44 - 58 59 - 73	SCALE 1:360,000 1:360,000 1:360,000	HASSELBLAD B, 2A, EKTACHROME 2448, 3 IN. REMARKS MAP NO. NJ 10-8.
VR-37-2J-007-00017 16	JUL 69	007 OREGON COAST LINE	ALTITUDE 60,000 MSL 001 - 01 032 - 066 067 - 061 082 - 105	SCALE 1:120,000 1:120,000 1:120,000 1:120,000	HASSELBLAD B, 5A, 3400, 3 IN. REMARKS MOUTH OF COLUMBIA RIVER FOGGING IN LAST 12 FRAMES MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-14.
VR-37-2J-007-00018 05	AUG 69	007 OREGON COAST LINE	ALTITUDE 1,000 MSL 1 - 47 48 - 95	SCALE 1:4,000 1:4,000	HASSELBLAD B, 3400, 4-25, 3 IN. REMARKS DARK DARK MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-14
VR-37-2J-007-00019 05	AUG 69	007 OREGON COAST LINE	ALTITUDE 1,000 MSL 1 - 47	SCALE 1:4,000	HASSELBLAD B, 3400, 4-25, 3 IN. REMARKS VERY POOR IMAGE FLIGHT LINES AND FRAMES NOT MARKED MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-14
VR-37-2J-007-00020 11	AUG 69	007 OREGON COAST LINE	ALTITUDE 1,000 MSL	SCALE 1:4,000	HASSELBLAD B, 3400, 4-25, 3 IN. REMARKS FOG + CLOUDS - IMAGE TOO POOR TO IDENTIFY FLIGHT LINES AND FRAMES FOG + CLOUDS - IMAGE TOO POOR TO IDENTIFY FLIGHT LINES + FRAMES MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-14

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ACCESSION NUMBER	DATE	SITE NO.	SITE ME	MISS-SION	INSTRUMENT CONFIGURATION	
					SCALE	REMARKS
VR-37-JJ-007-00021 05	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
4 6	1 -	1/000 MSL	1.4.000	POOR IMAGE - FRAMES NOT MARKED		
4 9	10 -	1/000 MSL	1.4.000	POOR IMAGE - FRAMES NOT MARKED		
4	25	1/000 MSL		MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		
VR-37-JJ-007-00022 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
4 28	28 -	1/000 MSL	1.4.000	DARK		
4 29	33 -	1/000 MSL	1.4.000	DARK		
4 30	40 -	1/000 MSL	1.4.000	DARK		
4	64			MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		
VR-37-JJ-007-00023 12	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
12 31	1 -	1/000 MSL	1.4.000	DARK		
12 32	10 -	1/000 MSL	1.4.000	DARK		
12 33	19 -	1/000 MSL	1.4.000	DARK		
12 34	28 -	1/000 MSL	1.4.000	DARK		
12 35	35 -	1/000 MSL	1.4.000	DARK		
12 36	46 -	1/000 MSL	1.4.000	DARK		
12 37	51 -	1/000 MSL	1.4.000	DARK		
12 38	64 -	1/000 MSL	1.4.000	DARK		
12 39	77 -	1/000 MSL	1.4.000	DARK		
				MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		
VR-37-JJ-007-00024 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
6A 38	1 -	1/000 MSL	1.4.000	2 FRAMES UNEXPOSED		
6A 64	10 -	1/000 MSL	1.4.000	EXCESS FRAMES		
				MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		
VR-37-JJ-007-00025 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
6 31	1 -	1/000 MSL	1.4.000	DARK		
6 32	11 -	1/000 MSL	1.4.000	DARK		
6 33	17 -	1/000 MSL	1.4.000	DARK		
6 34	25 -	1/000 MSL	1.4.000	DARK		
6 35	32 -	1/000 MSL	1.4.000	DARK		
6 36	47 -	1/000 MSL	1.4.000	DARK		
				MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		
VR-37-JJ-007-00026 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS ALTITUDE	99	HASSELBLAD B, 3400, 4-25, 3 IN.	
5 21,22	1 -	1/000 MSL	1.4.000	IMAGE VERY DARK - FRAMES AND FLIGHT LINES NOT IDENTIFIED		
5 23,24	23 -	1/000 MSL	1.4.000	IMAGE VERY DARK - FRAMES AND FLIGHT LINES NOT IDENTIFIED		
5 25,26	42 -	1/000 MSL	1.4.000	IMAGE VERY DARK - FRAMES AND FLIGHT LINES NOT IDENTIFIED		
5 27,28		1/000 MSL	1.4.000	IMAGE VERY DARK - FRAMES AND FLIGHT LINES NOT IDENTIFIED		
				MAP NO. NK 10-2. NL 10-8, NK 10-1, 4		

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-37-JJ-007-00027 11	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS	ALTITUDE 1 - 43 1 - 44 - 92	SCALE 1.4,000 1.4,000	HASSELBLAD B, 3400, #25, 3 IN, REMARKS DARK DARK MAP NO. NK 10-11, NK 10-14
VR-37-JJ-007-00028 07	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS	ALTITUDE 1 - 25 1 - 26 1 - 47 1 - 66	SCALE 1.0,000 1.0,000 1.0,000 1.0,000	HASSELBLAD B, 3400, #25, 3 IN, REMARKS FRAMES NOT MARKED - PLOOR IMAGE FRAMES NOT MARKED - PLOOR IMAGE FRAMES NOT MARKED - PLOOR IMAGE FRAMES NOT MARKED - PLOOR IMAGE MAP NO. NK 10-11, NK 10-14
VR-37-JJ-007-00029 05	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS	ALTITUDE 1 - 48 1 - 89	SCALE 1.0,000 1.0,000	HASSELBLAD B, 3400, #25, 3 IN, REMARKS DARK DARK MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-14
VR-37-JJ-007-00030 11	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS	ALTITUDE 1 - 43 1 - 86	SCALE 1.0,000 1.0,000	HASSELBLAD B, 3400, #25, 3 IN, REMARKS DARK DARK MAP NO. NK 10-11, NK 10-14
VR-37-JJ-007-00031 12	AUG 69	007 OREGON COAST LINE EXPOSURE NUMBERS	ALTITUDE 1 - 81 1 - 21-29	SCALE 1.4,000	HASSELBLAD B, 3400, #25, 3 IN, REMARKS IMAGE TOO DARK TO IDENTIFY FLT LINES AND FRAMES MAP NO. NK 10-2, NL 10-8, NK 10-11, NK 10-14

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
VR-39-ZJ-194-00001	AUG 69	194 DENVER, COLORADO LINE	EXPOSURE NUMBERS 001 - C03 004 - C10 011 - C16 017 - C22 023 - C28 029 - C33 034 - C39	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 61,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000	101 HASSELBLAD C, 57, 2402, 3 IN. REMARKS
VR-39-ZJ-011-00002	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS 001 - C10 011 - C12	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD C, 25A, 3400, 3 IN. REMARKS
VR-39-ZJ-149-00003	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 013 - C30 031 - C54	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD C, 25A, 3400, 3 IN. REMARKS
VR-39-ZJ-011-00004	AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS 001 - C11 012 - C21 022 - C32 033 - C43 044 - C54 055 - C60 061 - C66 067 - C72 073 - C78	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000	101 HASSELBLAD C, 5A, 3400, 3 IN. REMARKS
VR-39-ZJ-149-00005	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 001 - C20 021 - C45 046 - C54 055 - C73	ALTITUDE 60,000 MSL 60,000 MSL 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000 1:120,000 1:120,000	101 HASSELBLAD C, 25-A, 3400, 3 IN. REMARKS
VR-39-ZJ-149-00006	AUG 69	149 BROOKINGS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS 074 - C80	ALTITUDE 60,000 MSL	SCALE 1:120,000	101 HASSELBLAD C, 25-A, 3400, 3 IN. REMARKS
						THE AIRCRAFT WAS OFF COURSE DURING THIS LINE.

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-38-EJ-186-00007 09	AUG 69	186 CLARKS FORK, WYOMING LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL 60,000' MSL	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
VR-38-EJ-011-00008 09	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL	SCALE 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
VR-38-EJ-030-00009 10	AUG 69	030 TUCSON, ARIZONA LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL 60,000' MSL	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
VR-38-EJ-185-00010 11	AUG 69	185 WEST, SONORAZA AREA, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL 60,000' MSL	SCALE 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000 1:120,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
VR-38-EJ-185-00011 12	AUG 69	185 EAST, SONORAZA AREA, COLORADO LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL 60,000' MSL	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
VR-38-EJ-193-00012 17	JUL 69	193 ELDORADO FOREST LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL	SCALE 1:136,000 1:136,000	CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS. CLOUD COVER APPROXIMATELY 30 PER CENT CIRRUS. CLOUD COVER APPROXIMATELY 80 PER CENT CIRRUS AND CIRROSTRATUS. LINE TERMINATED EARLY BECAUSE OF CLOUD COVER.
VR-38-EJ-020-00013-18	JUL 69	020 BUCKS LAKE LINE EXPOSURE NUMBERS	ALTITUDE 60,000' MSL 60,000' MSL	SCALE 1:360,000 1:360,000	HASSELBLAD C, SA, 3400, 3 IN. REMARKS
					MAP NO. NJ 10-6.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-38-2J-135-00014	JUL 69	LINE 8 ROLL 9	135 HARVEY VALLEY EXPOSURE NUMBERS	SCALE 100 67,000 MSL 67,000 MSL	HASSELBLAD C, SH, 3400, 3 IN. MAP NO. NK 10-12.
VR-38-2J-169-00015	JUL 69	LINE 10 ROLL 9	189 KLAMATH FALLS EXPOSURE NUMBERS	SCALE 100 60,000 MSL 60,000 MSL	HASSELBLAD C, SH, 3400, 3 IN. MAP NO. NK 10-12.
VR-38-2J-048-00016	JUL 69	LINE 7 ROLL 7	048 SAN PABLO RESERVOIR EXPOSURE NUMBERS	SCALE 100 60,000 MSL 60,000 MSL	HASSELBLAD C, SA, 3400, 3 IN. MAP NO. NK 10-6.
VR-38-2J-007-00017	JUL 69	LINE 3 ROLL 3	007 OREGON COAST EXPOSURE NUMBERS	SCALE 100 60,000 MSL 60,000 MSL	HASSELBLAD C, 25-4, 3400, 3 IN. MAP NO. NJ 10-8.
VR-38-2J-007-00018	AUG 69	LINE 3 ROLL 2	007 OREGON COAST EXPOSURE NUMBERS	SCALE 100 60,000 MSL 60,000 MSL	HASSELBLAD C, 4-47, 3 IN. MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4.
VR-38-2J-007-00019	AUG 69	LINE 3 ROLL 3	007 OREGON COAST EXPOSURE NUMBERS	SCALE 99 60,000 MSL 60,000 MSL	HASSELBLAD C, 3400, 4-47, 3 IN. MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-007-00020	AUG 69	LINE 6 ROLL 6	007 OREGON COAST EXPOSURE NUMBERS	SCALE 99 60,000 MSL 60,000 MSL	HASSELBLAD C, 3400, 4-47, 3 IN. MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4

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FACN 3E-00004

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS. SION	INSTRUMENT CONFIGURATION
VR-38-2J-007-00021 05	AUG 69	007 OREGON COAST LINE 1 - 47 EXPOSURE NUMBERS 1 - 48 - 49	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. DARK DARK MAP NO. NK 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00022 11	AUG 69	007 OREGON COAST LINE 1 - 45 EXPOSURE NUMBERS 1 - 44 - 45	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00023 07	AUG 69	007 OREGON COAST LINE 1 - 23 EXPOSURE NUMBERS 1 - 24 - 25 2 - 36 3 - 41 4 - 66	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00024 05	AUG 69	007 OREGON COAST LINE 1 - 18 EXPOSURE NUMBERS 1 - 19 - 20	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00025 06	AUG 69	007 OREGON COAST LINE 28 - 30 EXPOSURE NUMBERS 29 - 34 - 40 30 - 41 - 45	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00026 12	AUG 69	007 OREGON COAST LINE 1 - 31 EXPOSURE NUMBERS 1 - 32	ALTITUDE 1,000 MSL	SCALE 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS IMAGE TOO DARK TO IDENTIFY FLT LINES + FRAMES MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4
VR-38-2J-00027 11	AUG 69	007 OREGON COAST LINE 6 - 23 EXPOSURE NUMBERS 6 - 24 - 42 7 - 43 - 54	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1:4,000 1:4,000 1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN. REMARKS FLT LN. 9 NOT IDENTIFIED MAP NO. NK 10-2, NL 10-8, NL 10-11, NK 10-1,4

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION					
					ROLL	LINE	EXPOSURE NUMBERS	ALTITUDE	SCALE	REMARKS
VR-38-3J-007-00028	06 AUG 69	007	OREGON COAST	99	99			1,000 MSL	1:4,000	HASSELBLAD C, 3400, 4-47, 3 IN.
					5	21	1 - 8	1,000 MSL	1:4,000	DARK
					5	22	9 - 19	1,000 MSL	1:4,000	DARK
					5	23	20 - 29	1,000 MSL	1:4,000	DARK
					5	24	30 - 41	1,000 MSL	1:4,000	DARK
					5	25	42 - 51	1,000 MSL	1:4,000	DARK
					5	26	52 - 59	1,000 MSL	1:4,000	DARK
					5	27	60 - 74	1,000 MSL	1:4,000	DARK
					5	28	75 - 85	1,000 MSL	1:4,000	DARK MAP NO. NK 10-2, VL 10-8, 10-11, NK 10-1,4
VR-38-3J-007-00029	11 AUG 69	007	OREGON COAST	99	99					HASSELBLAD C, 3400, 4-47, 3 IN.
					10	3	1 - 43	1,000 MSL	1:4,000	REMARKS
					10	4	44 - 65	1,000 MSL	1:4,000	
					6A	36	1 - 6	1,000 MSL	1:4,000	EXCESS FILM
					6A	36	7 - 24	1,000 MSL	1:4,000	H,P NO. NK 10-2, VL 10-8, NL 10-11, NK 10-1,4

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS. SION	INSTRUMENT CONFIGURATION
VR-39-EJ-011-00001 02	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, SO246, 3 IN. REMARKS
2 1	001 - C10				
2 2	011 - C12				
VR-39-EJ-149-00002 03	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,300 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, SO246, 3 IN. REMARKS
2 1	013 - C30				
2 2	031 - C54				
VR-39-EJ-011-00003 04	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, SO246, 3 IN. REMARKS
3 1	001 - C11				
3 2	012 - C21				
3 3	022 - C32				
3 4	033 - C43				
3 5	044 - C54				
3 6	055 - C60				
3 7	061 - C66				
3 8	067 - C72				
3 9	073 - C78				
VR-39-EJ-149-00004 05	AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, NEW IR 80246, 3 IN. REMARKS
4 1	001 - C20				
4 2	021 - C45				
4 3	046 - C54				
4 4	055 - C73				
VR-39-EJ-195-00005 06	AUG 69	195 BROOKINGS, SOUTH DAKOTA LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, NEW IR 80246, 3 IN. REMARKS
4 1	074 - C86				
4 2	087 - 091				
4 3	092 - C98				
VR-39-EJ-186-00006 07	AUG 69	186 CLARKS FORK, WYOMING LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, SO246, 3 IN. REMARKS
5 1	001 - C05				
5 2	006 - C10				
5 3	011 - C15				
VR-39-EJ-011-00007 09	AUG 69	011 YELLOWSTONE PARK LINE EXPOSURE NUMBERS	ALTITUDE 60,000 MSL 60,000 MSL	SCALE 1:120,000 1:120,000	101 HASSELBLAD D. 89-3, SO246, 3 IN. REMARKS
5 1	016 - C2/				
5 2	028 - C34				
5 3	040 - C50				
5 4	051 - C62				
5 5	063 - C72				
5 6	073 - C84				

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-39-3J-030-00008 10	AUG 69	030 TUCSON/AJO, ARIZONA	ALTITUDE	101	HASSELBLAD D, 89-2, 30246, 3 IN. REMARKS
ROLL 6 1	EXPOSURE NUMBERS	60,000 'SL	SCALE	1.120,000	
6 2	001 - C23	60,000 'SL		1.120,000	
6 3	024 - C41	60,000 'SL		1.120,000	
6 4	042 - C59	60,000 'SL		1.120,000	
6 5	060 - C76	60,000 'SL		1.120,000	
6 6	077 - C95	60,000 'SL		1.120,000	
VR-39-3J-185-00009 11	AUG 69	185 WEST, BONANZA AREA, COLORADO	ALTITUDE	101	HASSELBLAD D, 89-3, 30246, 3 IN. REMARKS
ROLL 6 10	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.120,000	
6 11	092 - 11/	60,000 'SL		1.120,000	
6 12	118 - 138	60,000 'SL		1.120,000	
6 13	139 - 161	60,000 'SL		1.120,000	
6 14	162 - 181	60,000 'SL		1.120,000	
6 15	182 - 188	60,000 'SL		1.120,000	
VR-39-3J-193-00010 17	JUL 69	193 ELDORADO FOREST	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 6 7	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.136,000	
6 8	13 - 27	60,000 'SL		1.136,000	
6 9	28 - 43	60,000 'SL		1.136,000	
VR-39-3J-020-00011 18	JUL 69	020 BUCKS LAKE	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 10 8	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.360,000	FRAMES 78 TO 81 ARE UNUSABLE DUE TO A LIGHT LEAK. MAP NO. NJ 10-6.
VR-39-3J-135-00012 18	JUL 69	135 HARVEY VALLEY	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 10 3	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.360,000	
10 4	22 - 41	60,000 'SL		1.360,000	
10 5	42 - 62	60,000 'SL		1.360,000	
VR-39-3J-189-00013 18	JUL 69	189 KLAATH FALLS	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 10 1	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.360,000	
10 2	01 - 10	60,000 'SL		1.360,000	
10 3	11 - 21	60,000 'SL		1.360,000	
VR-39-3J-048-00014 17	JUL 69	048 SAN PABLO RESERVOIR	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 8 7	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.360,000	
8 8	01 - 12	60,000 'SL		1.360,000	
8 9	44 - 58	60,000 'SL		1.360,000	
8 10	59 - 65	60,000 'SL		1.360,000	
VR-39-3J-007-00015 16	JUL 69	007 OREGON COAST	ALTITUDE	100	HASSELBLAD D, 25A, 3400, 3 IN. REMARKS
ROLL 4 3	LINE EXPOSURE NUMBERS	60,000 'SL	SCALE	1.360,000	
4 4	001 - 050	60,000 'SL		1.360,000	
4 5	31 - 065	60,000 'SL		1.360,000	
4 6	066 - 0/9	60,000 'SL		1.360,000	
4 7	OVER 060 -	60,000 'SL			MOUTH OF COLUMBIA RIVER MAP NO. NK 10-6. NL 10-8. NK 10-11. NK 10-1, 4.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION			
				MIS-	SITE	NAME	STATION
VR-39-JJ-007-00016 05	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 1/16 - 25	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1.4,000 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. DARK MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00017 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 26 - 27 31 - 36 37 - 61	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1.4,000 1.4,000 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. DARK MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00018 05	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 48 49 - 66	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1.4,000 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. DARK FR. 74 UNEXPOSED MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00019 05	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 46 47 - 96	ALTITUDE 1,000 MSL 1,000 MSL	SCALE 1.4,000 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00020 12	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 21-29	ALTITUDE 1,000 MSL	SCALE 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. FLIGHT LINES + FRAMES NOT MARKED - IMAGE TOO DARK MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00021 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 83	ALTITUDE 1,000 MSL	SCALE 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. FLIGHT LINES + FRAMES NOT MARKED - IMAGE TOO DARK MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS
VR-39-JJ-007-00022 06	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 9 10 - 16 17 - 24 25 - 31 32 - 46 47 - 54 55 - 75	ALTITUDE 1,000 MSL 1,000 MSL 1,000 MSL 1,000 MSL 1,000 MSL 1,000 MSL 1,000 MSL	SCALE 1.4,000 1.4,000 1.4,000 1.4,000 1.4,000 1.4,000 1.4,000	HASSELBLAD D, 3400, #58, 3 IN. MAP NO. NK 10-2; NL 10-8, NL 10-11, NK 10-1,4	REMARKS

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-39-3J-007-00023 11	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 43	SCALE 1.4.000 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4 DARK
		ROLL 10	4	1,000 MSL 1,000 MSL	
		ROLL 10	4	1,000 MSL 1,000 MSL	
VR-39-3J-007-00024 07	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 66	SCALE 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. POOR IMAGE - FRAMES AND FLIGHT LINES NOT IDENTIFIED MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4
		ROLL 41-44		1,000 MSL	
VR-39-3J-007-00025 05	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 90	SCALE 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. DARK IMAGE - FRAMES & FLIGHT LINES NOT IDENTIFIED MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4
		ROLL 1	1-2	1,000 MSL	
VR-39-3J-007-00026 11	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 58	SCALE 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. FLIGHT LINES 6 YHR J 9 FRAMES 1-38 DARK IMAGE - FRAMES & FLIGHT LINES NOT IDENTIFIED MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4
		ROLL 6-9		1,000 MSL	
VR-39-3J-007-00027 11	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 43	SCALE 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. FRAMES 76 + 77 NOT EXPOSED MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4
		ROLL 9	2	1,000 MSL 1,000 MSL	
VR-39-3J-007-00028 12	AUG 69	007 OREGON COAST LINE	EXPOSURE NUMBERS 1 - 9	SCALE 1.4.000	HASSELBLAD D, 3400, 4-58, 3 IN. MAP NO. NK 10-2'. VL 10-8, NL 10-11, NK 10-1-4 DARK
		ROLL 12	31	1,000 MSL 1,000 MSL	
		ROLL 12	32	1,000 MSL 1,000 MSL	
		ROLL 12	33	1,000 MSL 1,000 MSL	
		ROLL 12	34	1,000 MSL 1,000 MSL	
		ROLL 12	35	1,000 MSL 1,000 MSL	
		ROLL 12	36	1,000 MSL 1,000 MSL	
		ROLL 12	37	1,000 MSL 1,000 MSL	
		ROLL 12	38	1,000 MSL 1,000 MSL	
		ROLL 12	39	1,000 MSL 1,000 MSL	

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISN	INSTRUMENT CONFIGURATION
VR-40-EJ-011-00001	02	AUG 69 LINE 1 1	011 YELLOWSTONE PARK EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C10 - C12	60,000 MSL 60,000 MSL	
VR-40-EJ-149-00002	03	AUG 69 LINE 1 1	149 BLACK HILLS, SOUTH DAKOTA EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C30 - C54	60,000 MSL 60,000 MSL	
VR-40-EJ-149-00003	06	AUG 69 LINE 1 3	149 BLACK HILLS, SOUTH DAKOTA EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C20 - C45	60,000 MSL 60,000 MSL	
		3	- C46 - C54	60,000 MSL 60,000 MSL	
		3	- C55 - C75	60,000 MSL 60,000 MSL	
VR-40-EJ-195-00004	08	AUG 69 LINE 1 3	195 BROOKINGS, SOUTH DAKOTA EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C66 - C91	60,000 MSL 60,000 MSL	
		3	- 106	60,000 MSL	
VR-40-EJ-106-00005	09	AUG 69 LINE 1 4	106 CLARKS FORK, WYOMING EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C05 - C10	60,000 MSL 60,000 MSL	
		3	- C15	60,000 MSL	
VR-40-EJ-011-00006	09	AUG 69 LINE 1 4	011 YELLOWSTONE PARK EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C2/	60,000 MSL	
		3	- C34	60,000 MSL	
		4	- C51	60,000 MSL	
		5	- C62	60,000 MSL	
		6	- C72	60,000 MSL	
		7	- C84	60,000 MSL	
VR-40-EJ-010-00007	10	AUG 69 LINE 1 5	030 TUCSON/AJJO, ARIZONA EXPOSURE NUMBERS	SCALE 1.120,000 1.120,000	HASSELBLAD E, 15C, SO100, 3 IN. REMARKS
		2	- C23	60,000 MSL	
		3	- C41	60,000 MSL	
		4	- C59	60,000 MSL	
		5	- C76	60,000 MSL	
		6	- C93	60,000 MSL	
		7	- 114	60,000 MSL	1.0,000

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-40-3J-185-00008 11	AUG 69	105 WEST, BONANZA AREA, COLORADO	ALTITUDE	101	HASSELBLAD E, 25-A, 2402, 3 IN, REMARKS
ROLL 5	LINE 10	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:120,000
	092 - 11/		60,000 MSL		1:120,000
	116 - 138		60,000 MSL		1:120,000
	6 - 139		60,000 MSL		1:120,000
	6 - 161		60,000 MSL		1:120,000
	5 - 162		60,000 MSL		1:120,000
	4 - 162		60,000 MSL		1:120,000
	5 - 162		60,000 MSL		1:120,000
	2 - 187		60,000 MSL		1:120,000
VR-40-3J-193-00009 17	JUL 69	193 ELDORADO FOREST	ALTITUDE	100	HASSELBLAD E, 89-3, 30W IR 80246, 3 IN,
ROLL 1	LINE 7	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:136,000
	0 - 27		60,000 MSL		1:136,000
	26 - 43		60,000 MSL		1:136,000
	1 - 43		60,000 MSL		1:136,000
VR-40-3J-120-00010 18	JUL 69	020 BUCKS LAKE	ALTITUDE	100	HASSELBLAD E, 89-3, 30W IR 80246, 3 IN,
ROLL 2	LINE 6	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:360,000
	62 - 82		60,000 MSL		MAP NO. NJ 10-6.
VR-40-3J-135-00011 18	JUL 69	135 HARVEY VALLEY	ALTITUDE	100	HASSELBLAD E, 89-3, 30W IR 80246, 3 IN,
ROLL 2	LINE 3	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:360,000
	22 - 41		60,000 MSL		MAP NO. NJ 10-3.
	42 - 62		60,000 MSL		MAP NO. NJ 10-3.
VR-40-3J-189-00012 18	JUL 69	169 KLAMATH FALLS	ALTITUDE	100	HASSELBLAD E, 89B, 30W IR 80246, 3 IN,
ROLL 2	LINE 1	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:360,000
	01 - 10		60,000 MSL		MAP NO. NJ 10-6.
	11 - 21		60,000 MSL		MAP NO. NJ 10-6.
VR-3J-048-00013 17	JUL 69	048 SAN PABLO RESERVATION	ALTITUDE	100	HASSELBLAD E, 89-3, 30W IR 80246, 3 IN,
ROLL 1	LINE 7	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:360,000
	01 - 12		60,000 MSL		MAP NO. NJ 10-6.
	44 - 58		60,000 MSL		MAP NO. NJ 10-6.
	59 - 61		60,000 MSL		MAP NO. NJ 10-6.
VR-40-3J-007-00014 16	JUL 69	007 OREGON COAST	ALTITUDE	100	HASSELBLAD E, 65A, 3400, 3 IN,
ROLL 5	LINE 3	EXPOSURE NUMBERS	60,000 MSL	SCALE	1:360,000
	001 - 050		60,000 MSL		1:360,000
	031 - 065		60,000 MSL		1:360,000
	066 - 080		60,000 MSL		1:360,000
	081 - 098		60,000 MSL		1:360,000
					MOUTH OF COLUMBIA RIVER
					MAP NOS. NK 10-2, NL 10-8, NK 10-11, NK 10-14.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIRMATION
VR-41-EJ-011-00001	02 AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000	HASSELBLAD F, 2A, SO368, 3 IN. REMARKS
	2 1	001 - C11	60,000 MSL		
	2 2	011 - C12	60,000 MSL		
VR-41-EJ-149-00002	03 AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000	HASSELBLAD F, 2A, SO368, 3 IN. REMARKS
	2 1	013 - C3C	60,000 MSL		
	2 2	031 - C54	60,000 MSL		
VR-41-EJ-011-00003	04 AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000	HASSELBLAD F, 2A, SO368, 3 IN. REMARKS
	3 1	001 - C11	60,000 MSL		
	3 2	012 - C21	60,000 MSL		
	3 3	022 - C32	60,000 MSL		
	3 4	033 - C43	60,000 MSL		
	3 5	044 - C54	60,000 MSL		
	3 6	055 - C66	60,000 MSL		
	3 7	061 - C66	60,000 MSL		
	3 8	067 - C72	60,000 MSL		
	3 9	073 - C78	60,000 MSL		
VR-41-EJ-149-00004	06 AUG 69	149 BLACK HILLS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD F, 2A, COLOR SO368, 3 IN. REMARKS
	5 1	001 - C2U	60,000 MSL		
	5 2	021 - C43	60,000 MSL		
	5 3	046 - C54	60,000 MSL		
	5 4	055 - C73	60,000 MSL		
VR-41-EJ-195-00005	08 AUG 69	195 BROOKINGS, SOUTH DAKOTA LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD F, 2A, COLOR SO368, 3 IN. REMARKS
	5 1	074 - C86	60,000 MSL		
	5 2	087 - C91	60,000 MSL		
	5 3	092 - C106	60,000 MSL		
VR-41-EJ-106-00006	09 AUG 69	186 CLARKS FORK, WYOMING LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000 1:120,000	HASSELBLAD F, 2A, SO368, 3 IN. REMARKS
	6 1	001 - C05	60,000 MSL		
	6 2	006 - C10	60,000 MSL		
	6 3	011 - C15	60,000 MSL		
	6 4	011 - C15	60,000 MSL		
VR-41-EJ-011-00007	09 AUG 69	011 YELLOWSTONE PARK LINE	EXPOSURE NUMBERS ALTITUDE	SCALE 1:120,000 1:120,000 1:120,000 1:120,000	HASSELBLAD F, 2A, SO368, 3 IN. REMARKS
	6 1	016 - C2/	60,000 MSL		
	6 2	028 - C39	60,000 MSL		
	6 3	040 - C5C	60,000 MSL		
	6 4	051 - C62	60,000 MSL		
	6 5	063 - C72	60,000 MSL		
	6 6	073 - C64	60,000 MSL		

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-41-3J-030-00008	AUG 69	030 TUCSON/AJO, ARIZONA	EXPOSURE NUMBERS ALTITUDE	101	HASSELBLAD F, 2A, 2448, 3 IN, REMARKS
ROLL 1	LINE 1	001 - C23	60,000 MSL	1:120,000	
	2	024 - C41	60,000 MSL	1:120,000	
	3	042 - C59	60,000 MSL	1:120,000	
	4	060 - C76	60,000 MSL	1:120,000	
	5	077 - 080	60,000 MSL	1:120,000	
VR-41-3J-185-00009	AUG 69	185 WEST, BONANZA AREA, COLORADO	EXPOSURE NUMBERS ALTITUDE	101	HASSELBLAD F, 57, 2432, 3 IN, REMARKS
ROLL 6	LINE 10	092 - 11/	60,000 MSL	1:120,000	
	8	118 - 136	60,000 MSL	1:120,000	
	6	139 - 161	60,000 MSL	1:120,000	
	4	162 - 180	60,000 MSL	1:120,000	
VR-41-3J-193-00010	JUL 69	193 ELDORADO FOREST	EXPOSURE NUMBERS ALTITUDE	100	HASSELBLAD F, 15+ CC16, COLOR IR SO180, 3 IN, REMARKS
ROLL 2	LINE 7	13 - 27	65,000 MSL	1:136,000	
	8	28 - 43	60,000 MSL	1:360,000	MAP NO. NJ 10-6.
VR-41-3J-070-00011	JUL 69	020 BUCKS LAKE	EXPOSURE NUMBERS ALTITUDE	100	HASSELBLAD F, 15+ CC16, COLOR IR SO180, 3 IN, REMARKS
ROLL 10	LINE				RAN OUT OF FILM MAP NO. NJ 10-3.
VR-41-3J-135-00012	JUL 69	135 HARVEY VALLEY	EXPOSURE NUMBERS ALTITUDE	100	HASSELBLAD F, 15+CC 103, COLOR IR SO180, 3 IN, REMARKS
ROLL 4	LINE 3	22 - 41	60,000 MSL	1:360,000	
	4	42 - 62	60,000 MSL	1:360,000	FRAMES 61 AND 69 ON PLATE NO. HAVE A BLUSH TINT MAP NO. NK 10-12.
VR-41-3J-189-00013	JUL 69	189 KLAMATH FALLS	EXPOSURE NUMBERS ALTITUDE	100	HASSELBLAD F, 15+ CC16, COLOR IR SO180, 3 IN, REMARKS
ROLL 4	LINE 1	31 - 10	60,000 MSL	1:360,000	
	2	11 - 21	60,000 MSL	1:360,000	MAP NO. NK 10-6.
VR-41-3J-048-00014	JUL 69	048 SAN PABLO RESERVOIR	EXPOSURE NUMBERS ALTITUDE	100	HASSELBLAD F, 15+ CC16, COLOR IR SO180, 3 IN, REMARKS
ROLL 2	LINE 7	01 - 12	60,000 MSL	1:360,000	
	8	44 - 58	60,000 MSL	1:360,000	
	9	59 - 63	60,000 MSL	1:360,000	MAP NO. NJ 10-8.

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-45-H-092-00001	JUN 69	092 PUERTO RICO	STOP	98	SLAR 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 21.3	20,000 MSL	REMARKS
2	4	IN.	29.7	20,000 MSL	
2	6	IN.	42.6	20,000 MSL	
2	25	IN.	46.6	20,000 MSL	
2	5	IN.	55.4	20,000 MSL	
VR-45-JG-192-00002	JUN 69	192 BARBADOS	STOP	98	SLAR 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 12.9	15,000 MSL	REMARKS
3	7	IN.	19.6	15,000 MSL	
3	6	IN.	37.2	20,000 MSL	
VR-45-H-092-00003	JUN 69	092 PUERTO RICO	STOP	98	SLAR 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 12.5	20,000 MSL	REMARKS
1	6	IN.	22.3	20,000 MSL	
1	2	IN.	37.2	20,000 MSL	
VR-45-FJ-065-0-0004	AUG 69	065 LAWRENCE, KANSAS	STOP	102	SLAR, 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 7	10,000 MSL	REMARKS
2	6	IN.	10.9	10,000 MSL	
2	15	IN.	19.1	10,000 MSL	
2	9	IN.	22.0	10,000 MSL	
2	12	IN.	30.9	9,500 MSL	
2	4	IN.	35.3	9,500 MSL	
2	6	IN.	41.1	9,500 MSL	
2	7	IN.	43.7	9,500 MSL	
VR-45-FJ-076-00005	SEP 69	076 GARDEN CITY, KANSAS	STOP	102	SLAR, 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 3.3	20,000 MSL	REMARKS
2A	15	IN.	77	K4-62A MALFUNCTION	
				MAP NOS. NJ 14-4 + NJ 14-7	
VR-45-FJ-076-00006	SEP 69	076 GARDEN CITY, KANSAS	STOP	102	SLAR, 16.5 GHZ
ROLL	LINE FLIGHT NO.	START	ALTITUDE IN. 9	20,000 MSL	REMARKS
2	15	IN.	11.7	20,000 MSL	
3	10	IN.	13.4	20,000 MSL	
3	13	IN.	19.0	20,000 MSL	
3	14	IN.	26.9	20,000 MSL	
3	13	IN.	42.6	20,000 MSL	
3	11	IN.	54.6	20,000 MSL	
3	12	IN.	59.1	20,000 MSL	
	10	IN.	63.2	20,000 MSL	
				STOP CLEARED TO 66.2, MAP NOS. NJ 14-4 + NJ 14-7	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT	CONFIGURATION
VR-45-FJ-076-00007	04 SEP 69	076 GARDEN CITY, KANSAS	STC/P	102	SLAR, 16.3 GHz	
	LINE FLIGHT NO.	START				
ROLL	19	9	23.6	26.9		REMARKS
4	16	9	16.4	21.4	3,000 MSL	
4	10	9	30.3	34.4	3,000 MSL	
4	16	9	3.3	6.5	3,000 MSL	
4	17	9	10.9	13.2	3,000 MSL	
4	9	37.7	42.0		3,000 MSL	
					STOP CLEARED TO 45.1;	
					MAP NOS. NJ 14-4 & NJ 14-7	

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION
VR-45--L-166-00001	6-14	MAR 69	166 ICELAND - SEA STATE	88	KA-622 2402 5 IN.
VR-45--L-166-00002	6-14	MAR 69	166 ICELAND - SEA STATE	88	KA-622 50-246 5 IN.
VR-46-4H-092-00003	21	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	SCALE 98	KA-62A, 25A, 24n2, 3 IN, REMARKS
		ROLL 1	188 -	20,200 MSL	CHECKOUT EXPOSURES
		1	23	- 143	A+B FAILED, CLOUDS + HAZE
		1	6	198 - 203	A+B FAILED, CLOUDS + HAZE
		1	9	204 - 211	ALL CAMERAS MALFUNCTIONING
		1	10	212 - 220	
		1	11	221 - 229	
		1	16	242 - 251	
		1	15	252 - 253	
		1	14	274 - 286	
VR-45-4H-092-00004	23	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	SCALE 98	KA-62A, 25A, 24n2, 3 IN, REMARKS
		ROLL 1	294 - 296	20,300 MSL	50 PER CENT CLOUDS
		1	5	298 - 309	
		1	21	311 - 318	
VR-46-4H-092-00005	24	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	SCALE 98	REMARKS
		ROLL 1	397 - 403	5,000 MSL	KA-62A MALFUNCTION
		1	20	405 - 422	KA-62A MALFUNCTION
		1	5	425 - 439	
VR-46-4H-092-00006	25	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	SCALE 98	KA-62A, 25A, 24n2, 3 IN, REMARKS
		ROLL 1	441 - 459	20,000 MSL	
		1	4	471 - 494	
		1	6	496 - 519	
		1	5	521 - 568	
VR-46-JG-192-00007	27	JUN 69	192 BARBADOS LINE EXPOSURE NUMBERS	SCALE 98	KA-62A, 25A, 24n2, 3 IN, REMARKS
		ROLL 1	584 - 604	3,000 MSL	
		1	2	605 - 629	1.12,000 TEST + CHECKOUT
		1	2	630 - 676	TEST
		1	6	687 - 700	15,000 MSL 1.60,000
		1	6	701 - 726	15,000 MSL 1.60,000
		1	5	731 - 756	
		1	6	737 - 749	15,000 MSL 1.60,000

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION			
				MISN	STOW	SCALE	102
VR-46-EK-039-00008 27	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS	ALTITUDE				KA-62A, 25A, 24n2, 3 IV.
	ROLL LINE	EXPOSURE NUMBERS	MSL	1.26,000		MAG, HEADING	30° DEGREE,
1 1	C506	6,500 MSL		1.26,000		MAG, HEADING	129 DEGREE,
0480 -	C532	6,500 MSL		1.26,000		MAG, HEADING	127 DEGREE,
0507 -	C533	6,500 MSL		1.26,000		MAG, HEADING	23° DEGREE,
0533 -	C534	6,500 MSL		1.26,000		MAG, HEADING	23° DEGREE,
1 1	0674 -	6,500 MSL		1.26,000		MAG, HEADING	23° DEGREE,
VR-46-EJ-186-00009 27	AUG 69	186 CLARKS FORK, WYOMING	ALTITUDE				KA-62-A, 25A, 24n2, 3 IV.
	ROLL LINE	EXPOSURE NUMBERS	MSL	1.26,000		MAG, HEADING	234 DEGREE,
1 1	C554 - C5/3	6,500 MSL		1.26,000		MAG, HEADING	23 DEGREE,
1 2	0574 -	6,500 MSL		1.26,000		MAG, HEADING	23 DEGREE,
1 3	0592 -	6,611 MSL		1.26,000		MAG, HEADING	23A DEGREE,
1 4	0612 -	6,625 MSL		1.26,000		MAG, HEADING	316 DEGREE,
1 5	0626 -	6,642 MSL		1.26,000		MAG, HEADING	319 DEGREE,
1 1	0647 -	6,655 MSL		1.26,000		MAG, HEADING	307 DEGREE,
1 4	0666 - C6/3	6,500 MSL		1.26,000		MAG, HEADING	
VR-49-EK-197-00010 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	ALTITUDE				KA-62A, 25A, 24n2, 3 IV.
	ROLL LINE	EXPOSURE NUMBERS	MSL	1.02			REMARKS
1 1	0002 - 0080	3,500 MSL	1.14,000			MAG, HEADING	26A DEGREE, FLIGHT NO. 2
1 1	0083 - C164	3,500 MSL	1.14,000			MAG, HEADING	274 DEGREE, FLIGHT NO. 3
1 1	0165 - C2/1	2,000 MSL	1.6,000			MAG, HEADING	104 DEGREE,
1 1	0272 - C300	10,000 MSL	1.40,000			APPROXIMATELY 10 PER CENT CLOUD COVER AND HEAVY HAZE, MAG, HEADING 274 DEGREE,	
						CLOUD COVER, APPROX. 10-50 PER CENT ALONG FLIGHT LINE, MAG, HEADING 272 DEGREE,	
1 1	0302 - 0315	20,000 MSL	1.80,000			KA-62A FRAME 0396 SKIP, KA-62A FRAME 0397 DOUBLE EXPOSURE. FRAMES 0317-0319 NO FORWARD OVERLAP, FLIGHT NO. 4	
1 1	0317 - C395	3,500 MSL	1.14,000				
1 1	0397 - C476	3,500 MSL	1.14,000				
VR-44-EJ-085-00011 28	AUG 69	085 LAWRENCE, KANSAS	ALTITUDE				KA-62A, 25A, 24n2, 3 IV.
	ROLL LINE	EXPOSURE NUMBERS	MSL	1.40,000			REMARKS
2 16	0000 - C023	10,000 MSL	1.40,000				
2 14	0024 - C050	10,000 MSL	1.40,000				
2 17	0051 - C0/4	10,000 MSL	1.40,000				
2 1+13	0075 - C103	10,000 MSL	1.40,000				
2 18	0104 - C151	10,000 MSL	1.40,000				
VR-46-EJ-076-00012 04	SEP 69	076 GARDEN CITY, KANSAS	ALTITUDE				KA-62A, 25A, 24n2, 3 IV.
	ROLL LINE	EXPOSURE NUMBERS	MSL	1.40,000			REMARKS
3 10	0001 - 0009	20,000 MSL	1.00,000			MAG, HEADING	34A DEGREE,
3 10	0013 - C024	20,000 MSL	1.00,000			MAG, HEADING	34A DEGREE,

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MISSION	INSTRUMENT CONFIGURATION	
					SCALE	REMARKS
VR-47-4H-092-00001 21	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	ALTITUDE 20,200 VSL	98	1.40,000 1.80,000 A+B FAILED, CLOUDS + HAZE	CHECKOUT EXPOSURES
	1	13	133 - 135		20,200 VSL	A+B FAILED, CLOUDS + HAZE
	1	23	143 -		20,200 VSL	A+B FAILED, CLOUDS + HAZE
	1	3	144 -		20,200 VSL	ALL CAMERAS MALFUNCTIONING
	1	4	151 -		20,200 VSL	
	1	10	159 - 168		20,200 VSL	
	1	11	169 - 177		20,200 VSL	
	1	16	191 -		20,200 VSL	
	1	15	201 - 222		20,200 VSL	
	1	14	223 - 255		20,200 VSL	
VR-47-4H-092-00002 23	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	ALTITUDE 20,000	98	1.40,000 1.80,000 50 PER CENT CLOUDS	KA-628, 47B, 24n2, 3 IN, REMARKS
	1	4	242 - 244		20,000	
	1	5	247 -		20,000	
	1	21	260 - 339		5,000	
VR-47-4H-092-00003 24	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	ALTITUDE 5,000 VSL	98	1.20,000 1.20,000 1.20,000	KA-628, 47B, 24n2, 3 IN, REMARKS
	1	16	346 - 359		5,000 VSL	
	1	17	360 - 365		5,000 VSL	
	1	20	387 - 396		5,000 VSL	
	1	5	399 - 415		20,000 VSL	
VR-47-4H-092-00004 25	JUN 69	092 PUERTO RICO LINE EXPOSURE NUMBERS	ALTITUDE 20,000 VSL	98	1.40,000 1.80,000 1.80,000	KA-628, 47B, 24n2, 3 IN, REMARKS
	1	20	416 - 452		20,000 VSL	
	1	4	434 -		20,000 VSL	
	1	6	464 -		20,000 VSL	
	1	5	489 - 512		20,000 VSL	
	1	21	514 - 568		5,000 VSL	
VR-47-JG-192-00005 27	JUN 69	192 BARBADOS LINE EXPOSURE NUMBERS	ALTITUDE 3,000 MSL	98	1.12,000 1.12,000	KA-628, 47B, 24n2, 3 IN, REMARKS
	1	1	576 - 596		3,000 MSL	TEST + CHECKOUT
	1	2	597 - 622		3,000 MSL	TEST
	1	2	623 - 669		3,000 MSL	
	1	4	670 - 678		3,000 MSL	
	1	6	694 - 696		15,000 MSL	1.60,000
	1	6	724 - 729		15,000 MSL	1.60,000
	1	5	724 - 729		15,000 MSL	
	1	6	730 - 742		15,000 MSL	1.60,000

## IMAGERY DATA FILE

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS-SION	INSTRUMENT CONFIGURATION
VR-47-EK-039-00006 27	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS	ALTITUDE	SCALE	102 KA-623, 47B, 24n2, 3 IN. REMARKS
ROLL LINE	0401 - C507	6,500 MSL	1.26,000	MAG. HEADING	304 DEGREE,
1 1	0508 - C533	6,500 MSL	1.26,000	MAG. HEADING	129 DEGREE,
1 2	0534 - C554	6,500 MSL	1.26,000	MAG. HEADING	12n DEGREE,
1 1	0673 - C693	6,500 MSL	1.26,000	MAG. HEADING	234 DEGREE,
VR-47-EJ-186-00007 27	AUG 69	186 CLARKS FORK, WYOMING	ALTITUDE	SCALE	102 KA-623, 47B, 24n2, 3 IN. REMARKS
ROLL LINE	0555 - C5/4	6,500 MSL	1.26,000	MAG. HEADING	234 DEGREE,
1 1	0575 - C592	6,500 MSL	1.26,000	MAG. HEADING	43 DEGREE,
1 2	0593 - C612	6,500 MSL	1.26,000	MAG. HEADING	234 DEGREE,
1 3	0613 - C626	6,500 MSL	1.26,000	MAG. HEADING	314 DEGREE,
1 4	0627 - C643	6,500 MSL	1.26,000	MAG. HEADING	313 DEGREE,
1 5	0646 - C664	6,500 MSL	1.26,000	MAG. HEADING	313 DEGREE,
1 1	0665 - C672	6,500 MSL	1.26,000	MAG. HEADING	307 DEGREE,
VR-47-EK-197-00008 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	ALTITUDE	SCALE	102 KA-62B, 47A, 24n2, 3 IN. REMARKS
ROLL LINE	EXPOSURE NUMBERS	ALTITUDE	SCALE	MAG. HEADING	26A DEGREE, FLIGHT NO: 2
1 1	0060	3,500 MSL	1.14,000	MAG. HEADING	274 DEGREE, FLIGHT NO: 3
1 1	0083 - C164	3,500 MSL	1.14,000	MAG. HEADING	104 DEGREE,
1 1	0165 - C2/1	2,000 MSL	1.6,000	APPROXIMATELY 10 PER CENT CLOUD COVER AND HEAVY HAZE,	
1 1	0272 - C300	10,000 MSL	1.40,000	MAG. HEADING	274 DEGREE,
1 1	0302 - C415	20,000 MSL	1.80,000	CLOUD COVER, APPROX.	10-50 PER CENT ALONG FLIGHT LINE,
1 1	0317 - C395	3,500 MSL	1.14,000	MAG. HEADING	272 DEGREE,
1 1	0397 - C476	3,500 MSL	1.14,000	FRAMES 0317-0319 NO FORWARD OVERLAP,	
1 1				FLIGHT NO: 4.	
VR-47-EJ-085-00009 28	AUG 69	085 LAWRENCE, KANSAS	ALTITUDE	SCALE	102 KA-62B, 47B, 24n2, 3 IN. REMARKS
ROLL LINE	EXPOSURE NUMBERS	ALTITUDE	SCALE	MAG. HEADING	34A DEGREE,
2 16	0200 - 0023	10,000 MSL	1.40,000	MAG. HEADING	34A DEGREE,
2 14	0204 - 0050	10,000 MSL	1.40,000	MAG. HEADING	34A DEGREE,
2 17	0251 - 00/4	10,000 MSL	1.40,000	MAG. HEADING	34A DEGREE,
2 1+13	0075 - C103	10,000 MSL	1.40,000	MAG. HEADING	34A DEGREE,
2 18	0104 - C131	10,000 MSL	1.40,000	MAG. HEADING	34A DEGREE,
VR-47-EJ-076-00010 04	SEP 69	076 GARDEN CITY, KANSAS	ALTITUDE	SCALE	102 KA-62B, 47B, 24n2, 3 IN. REMARKS
ROLL LINE	EXPOSURE NUMBERS	ALTITUDE	SCALE	MAG. HEADING	34A DEGREE,
3 10	0001 - 0009	20,000 MSL	1.80,000	MAG. HEADING	34A DEGREE,
3 10	0013 - 0024	20,000 MSL	1.80,000	MAG. HEADING	34A DEGREE,

## IMAGERY DATA FILE

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION	
VR-48-4H-092-00001	JUN 69	092 PUERTO RICO EXPOSURE NUMBERS	ALTITUDE 231 - 235 237 - 251 253 - 254 255 - 266	SCALE 20,200 MSL 20,200 MSL 20,200 MSL 20,200 MSL	98 1.00,000 1.00,000 1.00,000 1.00,000	KA-62C, 58, 240°, 3 IV. CHECKOUT EXPOSURES C + D MALFUNCTIONING C + D MALFUNCTIONING C + D MALFUNCTIONING
VR-48-4H-092-00002	JUN 69	092 PUERTO RICO EXPOSURE NUMBERS	231 - 290 291 - 312 313 - 325	20,000 MSL 20,000 MSL 20,000 MSL	1.00,000 1.00,000 1.00,000	KA-62C, 58, 240°, 3 IV. REMARKS 50 PER CENT CLOUDS
VR-48-4H-092-00003	JUN 69	092 PUERTO RICO EXPOSURE NUMBERS	331 - 448 336 - 472 350 - 475 429	20,000 MSL 20,000 MSL 20,000 MSL 20,000 MSL	1.00,000 1.00,000 1.00,000 1.00,000	KA-62C, 58, 240°, 3 IV. REMARKS
VR-48-4H-092-00004	JUN 69	092 PUERTO RICO EXPOSURE NUMBERS	435 - 448 449 - 472 475 - 484 487 - 503	5,000 MSL 5,000 MSL 5,000 MSL 20,000 MSL	1.20,000 1.20,000 1.20,000 1.00,000	KA-62C, 58, 240°, 3 IV. REMARKS
VR-48-4H-092-00005	JUN 69	192 BARBADOS EXPOSURE NUMBERS	520 522 - 550 552 - 575 577 - 600 603 - 637	20,000 MSL 20,000 MSL 20,000 MSL 20,000 MSL 5,000 MSL	1.00,000 1.00,000 1.00,000 1.00,000 1.20,000	KA-62C, 58, 240°, 3 IV. REMARKS NO IMAGERY AVAILABLE (MALFUNCTION)
VR-48-EK-039-00006	AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS EXPOSURE NUMBERS	0483 - C509 0510 - C535 0536 - C526 0675 - C695	ALTITUDE 6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL	SCALE 1.26,000 1.26,000 1.26,000 1.26,000	102 KA-62C, 58, 240°, 3 IV. REMARKS MAG. HEADING 30° DEGREE, MAG. HEADING 129 DEGREE, MAG. HEADING 120 DEGREE, MAG. HEADING 231 DEGREE,

## IMAGERY DATA FILE

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION	
				MIS* SION	REMARKS
VR-48-EJ-106-00007 27	AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS	SCALE 1.26,000	KA-62-C, 58, 2402, 3 IN.
	LINE 1	C5/3	ALTITUDE 6,500 MSL	MAG. HEADING 234 DEGREE.	
	1 2	C594	6,500 MSL	MAG. HEADING 43 DEGREE.	
	1 3	C614	6,500 MSL	MAG. HEADING 234 DEGREE.	
	1 4	C628	6,500 MSL	MAG. HEADING 314 DEGREE.	
	1 5	C645	6,500 MSL	MAG. HEADING 314 DEGREE.	
	1 6	C666	6,500 MSL	MAG. HEADING 307 DEGREE.	
	1 7	C674	6,500 MSL	MAG. HEADING 307 DEGREE.	
	1 8				
VR-48-EK-197-00008 26	AUG 69	197 CHIPPEWA NATIONAL FOREST	EXPOSURE NUMBERS	SCALE 1.14,000	KA-62C, 58, 2402, 3 IN.
	LINE 1	C002 - C061	ALTITUDE 3,500 MSL	MAG. HEADING 264 DEGREE.	REMARKS
	1 1	0084 - C165	3,500 MSL	MAG. HEADING 274 DEGREE.	FLIGHT NO. 2
	1 1	0166 - C2/2	2,000 MSL	MAG. HEADING 104 DEGREE.	FLIGHT NO. 3
	1 1	0273 - C301	10,000 MSL	APPROXIMATELY IN PER CENT CLOUD COVER AND HEAVY	
	1 1	0303 - 0316	20,000 MSL	HAZE. MAG. FLIGHT 274 DEGREE.	
	1 1	0318 - 0396	3,500 MSL	0301-0302. ABL 10-50 PER CENT CLOUD COVER. APPROX.	
	1 1	0399 - 0478	3,500 MSL	272 DEGREE. FLIGHT LINE. MAG. HEADING	
	1 1			FRAMES 0317-0319 NO FORWARD OVERLAP.	
	1 1			FLIGHT NO. 4	
VR-48-EJ-085-00009 28	AUG 69	085 LAWRENCE, KANSAS	EXPOSURE NUMBERS	SCALE 1.40,000	KA-62C, 48, 2402, 3 IN.
	LINE 2	0000 - C023	ALTITUDE 10,000 MSL	MAG. HEADING 234 DEGREE.	REMARKS
	2 16	0024 - C050	10,000 MSL	1.40,000	
	2 17	0051 - C074	10,000 MSL	1.40,000	
	2 18	0075 - C103	10,000 MSL	1.40,000	
	2 18	0104 - C131	10,000 MSL	1.40,000	
	2 18				
VR-48-EJ-076-00010 04	SEP 69	076 GARDEN CITY, KANSAS	EXPOSURE NUMBERS	SCALE 1.80,000	KA-62C, 57, 2402, 3 IN.
	LINE 3	0000 - C008	ALTITUDE 20,000 MSL	MAG. HEADING 344 DEGREE.	REMARKS
	3 10	0011 - C022	20,000 MSL	1.80,000	MAG. HEADING 344 DEGREE.

## IMAGERY DATA FILE

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ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	MIS- SION	INSTRUMENT CONFIGURATION
VR-49-4H-092-00001	JUN 69	092 PUERTO RICO			
ROLL	LINE EXPOSURE NUMBERS				
1	1 - 3	20,200 MSL	SCALE 98	KA-62D, 89B, 50246, 3 IN. REMARKS	CHECKOUT EXPOSURES
1	4 - 20	20,200 MSL			
1	21 - 22	20,200 MSL			
1	23 - 34	20,200 MSL			
1	35 - 36	20,200 MSL			
1	44 - 53	20,200 MSL			
1	54 - 75	20,200 MSL			
1	76 - 49	20,200 MSL			
1	16	20,200 MSL			
1	15	20,200 MSL			
1	14	20,200 MSL			
VR-49-4H-092-00002	JUN 69	092 PUERTO RICO			
ROLL	LINE EXPOSURE NUMBERS				
1	92 - 94	20,000 MSL	SCALE 98	KA-62D, 89B, 50246, 3 IN. REMARKS	CLOUDS
1	95 - 106	20,000 MSL			50 PER CENT CLOUDS
1	108 - 187	20,000 MSL			
1	18	5,000 MSL			
1	17	5,000 MSL			
1	20	5,000 MSL			
1	21	5,000 MSL			
VR-49-4H-092-00003	JUN 69	092 PUERTO RICO			
ROLL	LINE EXPOSURE NUMBERS				
1	190 - 203	5,000 MSL	SCALE 98	KA-62D, 89B, 50246, 3 IN. REMARKS	CLOUDS
1	204 - 227	5,000 MSL			
1	228 - 237	5,000 MSL			
1	239 - 252	20,000 MSL			
VR-49-4H-092-00004	JUN 69	092 PUERTO RICO			
ROLL	LINE EXPOSURE NUMBERS				
1	256 - 270	20,000 MSL	SCALE 98	KA-62D, 89B, 50246, 3 IN. REMARKS	CLOUDS
1	272 - 300	20,000 MSL			
1	301 - 324	20,000 MSL			
1	326 - 349	20,000 MSL			
1	351 - 405	5,000 MSL			
VR-49-JG-192-00005	JUN 69	192 BARBADOS			
ROLL	LINE EXPOSURE NUMBERS				
1	408 - 428	5,000 MSL	SCALE 98	KA-62D, 89B, 50246, 3 IN. REMARKS	CLOUDS
1	429 - 453	5,000 MSL			TEST + CHECKOUT
1	454 - 500	5,000 MSL			TEST
1	501 - 510	15,000 MSL			
1	511 - 524	15,000 MSL			
1	525 - 549	15,000 MSL			
1	552 - 557	15,000 MSL			
1	558 - 577	15,000 MSL			

## IMAGERY DATA FILE

ACCESSION NUMBER	DATE	SITE NO.	SITE NAME	INSTRUMENT CONFIGURATION			
				MIS-SION	SCALE	REMARKS	
VR-49-EK-039-00006	27 AUG 69	039 EASTERN BEAR TOOTH MOUNTAINS	EXPOSURE NUMBERS ALTITUDE	102	KA-62D, 89B, SO-246, 3 IN.		
	ROLL LINE	1 1	6933 - 6953 6959 - 6984 6985 - 7005 7124 - 7144	6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL	1.26,000 1.26,000 1.26,000 1.26,000	MAG. HEADING 301 DEGREE, MAG. HEADING 129 DEGREE, MAG. HEADING 12N DEGREE, MAG. HEADING 231 DEGREE,	
VR-49-EJ-106-00007	27 AUG 69	186 CLARKS FORK, WYOMING	EXPOSURE NUMBERS ALTITUDE	102	KA-62D, 89B, SO-246, 3 IN.		
	ROLL LINE	1 1 2 3 4 5 1 1 4	7006 - 7025 7026 - 7043 7044 - 7063 7064 - 7077 7078 - 7094 7098 - 7115 7116 - 7123	6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL 6,500 MSL	1.26,000 1.26,000 1.26,000 1.26,000 1.26,000 1.26,000 1.26,000	MAG. HEADING 234 DEGREE, MAG. HEADING 43 DEGREE, MAG. HEADING 236 DEGREE, MAG. HEADING 31A DEGREE, MAG. HEADING 31; DEGREE, MAG. HEADING 307 DEGREE, MAG. HEADING 307 DEGREE,	
VR-49-EK-197-00008	26 AUG 69	197 CHIPPEWA NATIONAL FOREST	EXPOSURE NUMBERS ALTITUDE	102	KA-62D, 89B, SO-246, 3 IN.		
	ROLL LINE	1 1 1 1 1 1 1 1	6455 - 6513 6537 - 6617 6618 - 6724 6725 - 6752 6770 - 6848 6853 - 6929	3,500 MSL 3,500 MSL 2,000 MSL 10,000 MSL 3,500 MSL 3,500 MSL	1.14,000 1.14,000 1.14,000 1.14,000 1.14,000 1.14,000	MAG. HEADING 26A DEGREE, MAG. HEADING 274 DEGREE, MAG. HEADING 104 DEGREE, APPROXIMATELY IN PER CENT CLOUD COVER AND HEAVY HAZE, MAG. HEADING 274 DEGREE.	
VR-49-EJ-085-00009	26 AUG 69	085 LAWRENCE, KANSAS	EXPOSURE NUMBERS ALTITUDE	102	KA-62D, 89B, SO-246, 3 IN.		
	ROLL LINE	2 16 14 17 1+13 18	71A9 - 7212 7213 - 7239 7243 - 7263 7264 - 7292 7293 - 7320	10,000 MSL 10,000 MSL 10,000 MSL 10,000 MSL 10,000 MSL	1.40,000 1.40,000 1.40,000 1.40,000 1.40,000	REMARKS	
VR-49-EJ-076-00010	04 SEP 69	076 GARDEN CITY, KANSAS	EXPOSURE NUMBERS ALTITUDE	102	KA-62D, 89B, SO-246, 3 IN.		
	ROLL LINE	3 10	7396 - 7402	20,000 MSL	1.80,000	MAG. HEADING 34A DEGREE.	REMARKS

**SECTION 50 - GEMINI FILM DATA FILE**

## GEMINI FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-50-30-000-00001	GEMINI 111, MARCH 23, 1965, 70 MM PHOTOGRAPHY, HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 1, FRAMES 1-25. POSITIVE TRANSPARENCY.
VR-50-30-000-00002	GEMINI 1V, JUNE 3-7, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 16, FRAMES 1-53. POSITIVE TRANSPARENCY.
VR-50-30-000-00003	GEMINI 1V, JUNE 3-7, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 7, FRAMES 1-56. POSITIVE TRANSPARENCY.
VR-50-30-000-00004	GEMINI 1V, JUNE 3-7, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 6, FRAMES 1-12. POSITIVE TRANSPARENCY.
VR-50-30-000-00005	GEMINI 1V, JUNE 3-7, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 8, FRAMES 1-55. POSITIVE TRANSPARENCY.
VR-50-30-000-00006	GEMINI 1V, JUNE 3-7, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 9, FRAMES 1-43. POSITIVE TRANSPARENCY.
VR-50-30-000-00007	GEMINI V, AUGUST 21-29, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED), MAGAZINE NO. 1, FRAMES 1-62. POSITIVE TRANSPARENCY.
VR-50-30-000-00008	GEMINI V, AUGUST 21-29, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 2, FRAMES 1-56. POSITIVE TRANSPARENCY.
VR-50-30-000-00009	GEMINI V, AUGUST 21-29, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 3, FRAMES 1-63. POSITIVE TRANSPARENCY.
VR-50-30-000-00010	GEMINI V, AUGUST 21-29, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 4, FRAMES 1-69. POSITIVE TRANSPARENCY.
VR-50-30-000-00011	GEMINI VI, DECEMBER 15-16, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 (NASA MODIFIED). MAGAZINE A, FRAMES 1-62. POSITIVE TRANSPARENCY.

## GEMINI FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-50-00-000-00012	GEMINI VI, DECEMBER 15-16, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 (NASA MODIFIED). MAGAZINE B, FRAMES 1-62. POSITIVE TRANSPARENCY.
VR-50-00-000-00013	GEMINI VI, DECEMBER 15-16, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 (NASA MODIFIED). MAGAZINE C, FRAMES 1-56. POSITIVE TRANSPARENCY.
VR-50-00-000-00014	GEMINI VI, DECEMBER 15-16, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 (NASA MODIFIED). MAGAZINE D, FRAMES 1-12. POSITIVE TRANSPARENCY.
VR-50-00-000-00015	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE NO. 22 (A), FRAMES 1-52. POSITIVE TRANSPARENCY.
VR-50-00-000-00016	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED), MAGAZINE NO. 17 (M), FRAMES 1-59. POSITIVE TRANSPARENCY.
VR-50-00-000-00017	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED), MAGAZINE NO. 24 (C), FRAMES 1-61. POSITIVE TRANSPARENCY.
VR-50-00-000-00018	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED), MAGAZINE NO. 25 (D), FRAMES 1-62. POSITIVE TRANSPARENCY.
VR-50-00-000-00019	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE NO. 13 (K), FRAMES 1-42. POSITIVE TRANSPARENCY.
VR-50-00-000-00020	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE NO. 23 (B), FRAMES 1-60. POSITIVE TRANSPARENCY.
VR-50-00-000-00021	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE NO. 30 (G) (EXPOSED AND PROCESSED AT ASA 500), FRAMES 1-62. POSITIVE TRANSPARENCY.
VR-50-00-000-00022	GEMINI VII, DECEMBER 4-18, 1965, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE NO. 26 (E) (INFRARED EKTACHROME FILM TYPE 8443), FRAMES 1-31. POSITIVE TRANSPARENCY.

## GEMINI FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-50-00-000-00023	GEMINI VIII, MARCH 16, 1966, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500-C (NASA MODIFIED). MAGAZINE 20, FRAMES 1-19, POSITIVE TRANSPARENCY.
VR-50-00-000-00024	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED). MAGAZINE NO. A (SN-7), FRAMES 1-67. POSITIVE TRANSPARENCY.
VR-50-00-000-00025	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. HASSELBLAD, MODEL 500 C (NASA MODIFIED). MAGAZINE NO. 3 (SN-8), FRAMES 1-64. POSITIVE TRANSPARENCY.
VR-50-00-000-00026	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. HASSELBLAD MODEL 500 C (NASA MODIFIED). MAGAZINE NO. C, FRAMES 1-70. POSITIVE TRANSPARENCY.
VR-50-00-000-00027	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. HASSELBLAD SUPER WIDE ANGLE-C (NASA MODIFIED). MAGAZINE NO. D (SN-2), FRAMES 1-58. POSITIVE TRANSPARENCY.
VR-50-00-000-00028	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. J.A. MAURER-70 SPACE CAMERA. MAGAZINE NO. F (SN-011), FRAMES 1-52, POSITIVE TRANSPARENCY.
VR-50-00-000-00029	GEMINI IX, JUNE 3-6, 1966, 70 MM PHOTOGRAPHY. J.A. MAURER-70 SPACE CAMERA. MAGAZINE NO. G (SN-012), FRAMES 1-51, POSITIVE TRANSPARENCY.
VR-50-00-000-00030	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE. MAGAZINE NO. 5, FRAMES 1-62, POSITIVE TRANSPARENCY.
VR-50-00-000-00031	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA. MAGAZINE NO. 10, FRAMES 1-50, POSITIVE TRANSPARENCY.
VR-50-00-000-00032	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA. MAGAZINE NO. 11, FRAMES 1-47, POSITIVE TRANSPARENCY.
VR-50-00-000-00033	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA. MAGAZINE NO. 12, FRAMES 1-48, POSITIVE TRANSPARENCY.
VR-50-00-000-00034	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA. MAGAZINE NO. 13, FRAMES 1-47, POSITIVE TRANSPARENCY.

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GEMINI FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-50-00-000-00035	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA, MAGAZINE NO. 14, FRAMES 1-49, POSITIVE TRANSPARENCY.
VR-50-00-000-00036	GEMINI X, JULY 18-21, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 28, FRAMES 1-68, POSITIVE TRANSPARENCY.
VR-50-00-000-00037	GEMINI XI, SEPTEMBER 12-15, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 8, FRAMES 1-63, POSITIVE TRANSPARENCY.
VR-50-00-000-00038	GEMINI X1, SEPTEMBER 12-15, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 9, FRAMES 1-67, POSITIVE TRANSPARENCY.
VR-50-00-000-00039	GEMINI X1, SEPTEMBER 12-15, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA, MAGAZINE NO. 10, FRAMES 1-49, POSITIVE TRANSPARENCY.
VR-50-00-000-00040	GEMINI X1, SEPTEMBER 12-15, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA, MAGAZINE NO. 11, FRAMES 1-43, POSITIVE TRANSPARENCY.
VR-50-00-000-00041	GEMINI X1, SEPTEMBER 12-15, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA, MAGAZINE NO. 12, FRAMES 1-16, POSITIVE TRANSPARENCY.
VR-50-00-000-00042	GEMINI X1, NOVEMBER 11-15, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 8, FRAMES 1-150, POSITIVE TRANSPARENCY.
VR-50-00-000-00043	GEMINI X1, NOVEMBER 11-15, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 11, FRAMES 1-147, POSITIVE TRANSPARENCY.
VR-50-00-000-00044	GEMINI X1, NOVEMBER 11-15, 1966, 70 MM PHOTOGRAPHY, J.A. MAURER, 70MM SPACE CAMERA, MAGAZINE NO. 10, FRAMES 1-48, POSITIVE TRANSPARENCY.
VR-50-00-000-00045	GEMINI X1, NOVEMBER 11-15, 1966, 70 MM PHOTOGRAPHY, HASSELBLAD, SUPER WIDE ANGLE, MAGAZINE NO. 17, FRAMES 1-70, POSITIVE TRANSPARENCY.

**SECTION 51 - APOLLO FILM DATA FILE**

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APOLLO FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-51-00-000-00001	APOLLO 6, APRIL 4, 1968, 70 MM PHOTOGRAPHY. MAURER, MODEL 220 G. FRAMES AS6-2-756 THRU AS6-2-1510. POSITIVE TRANSPARENCY.
VR-51-00-000-00002	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, M, FRAMES AS7-3-1511 TO 1557. POSITIVE TRANSPARENCY.
VR-51-00-000-00003	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, N, FRAMES AS7-4-1558 TO 1612. POSITIVE TRANSPARENCY.
VR-51-00-000-00004	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, Q, FRAMES AS7-5-1613 TO 1671. POSITIVE TRANSPARENCY.
VR-51-00-000-00005	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, O, FRAMES AS7-6-1672 TO 173/. POSITIVE TRANSPARENCY.
VR-51-00-000-00006	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, S, FRAMES AS7-7-1738 TO 1879. POSITIVE TRANSPARENCY.
VR-51-00-000-00007	APOLLO 7, OCTOBER 11-22, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, R, FRAMES AS7-8-1880 TO 1943. POSITIVE TRANSPARENCY.
VR-51-00-000-00008	APOLLO 7, OCTOBER 11-22, 1968, 70MM PHOTOGRAPHY. HASSELBLAD 500-C, NASA MODIFIED. MAGAZINE NO, P, FRAMES AS7-11-1980 TO 2043. POSITIVE TRANSPARENCY.
VR-51-00-000-00009	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD. MAGAZINE A, FRAMES AS8-16-2581 TO 2619. POSITIVE TRANSPARENCY.
VR-51-00-000-00010	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY. HASSELBLAD. MAGAZINE B, FRAMES AS8-14-2383 TO 2534. POSITIVE TRANSPARENCY.
VR-51-00-000-00011	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTCGRAPHY. HASSELBLAD. MAGAZINE C, FRAMES AS8-17-2659 TO 2827. POSITIVE TRANSPARENCY.

## APOLLO FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-51-00-000-00012	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY, HASSELBLAD, MAGAZINE C, FRAMES AS8-12-2044 TO 2214, POSITIVE TRANSPARENCY.
VR-51-00-000-00013	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY, HASSELBLAD, MAGAZINE E, FRAMES AS8-13-2215 TO 2382, POSITIVE TRANSPARENCY.
VR-51-00-000-00014	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY, HASSELBLAD, MAGAZINE F, FRAMES AS8-15-2535 TO 2580, POSITIVE TRANSPARENCY.
VR-51-00-000-00015	APOLLO 8, DECEMBER 21, 1968, 70 MM PHOTOGRAPHY, HASSELBLAD, MAGAZINE G, FRAMES AS8-18-2828 TO 2908, POSITIVE TRANSPARENCY.
VR-51-00-000-00016	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 19, FRAMES 2909 TO 3034, POSITIVE TRANSPARENCY.
VR-51-00-000-00017	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 20, FRAMES 3053 TO 3177, POSITIVE TRANSPARENCY.
VR-51-00-000-00018	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 21, FRAMES 3178 TO 3322, POSITIVE TRANSPARENCY.
VR-51-00-000-00019	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 22, FRAMES 3324 TO 3474, POSITIVE TRANSPARENCY.
VR-51-00-000-00020	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 23, FRAMES 3475 TO 3619, POSITIVE TRANSPARENCY.
VR-51-00-000-00021	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 24, FRAMES 3620 TO 3681, POSITIVE TRANSPARENCY.
VR-51-00-000-00022	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, HANDHELD, MAGAZINE NO. 25, FRAMES 3682 TO 3695, POSITIVE TRANSPARENCY.
VR-51-00-000-00023	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, SO-65 MULTISPECTRAL, MAGAZINE 26, FRAMES 3696A TO 3834A, POSITIVE TRANSPARENCY.

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APOLLO FILM DATA FILE

ACCESSION NUMBER	DESCRIPTION
VR-51-00-000-00024	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, SO-65 MULTISPECTRAL, MAGAZINE 26, FRAMES 3696B TO 3854B, POSITIVE TRANSPARENCY.
VR-51-00-000-00025	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, SO-65 MULTISPECTRAL, MAGAZINE 26, FRAMES 3696C TO 3823C, POSITIVE TRANSPARENCY.
VR-51-00-000-00026	APOLLO 9, MARCH 3-13, 1969, 70 MM PHOTOGRAPHY, SO-65 MULTISPECTRAL, MAGAZINE 26, FRAMES 3696D TO 3854D, POSITIVE TRANSPARENCY.

## **PART IV - ELECTRONIC DATA**

## **SECTION 76 - PROCESSED ELECTRONIC DATA**

## PROCESSED ELL TRONIC L.T.D.

LAV: 76-0001

ACCESSION NUMBER	DATE	DATA SOURCE	MEDIUM	TYPE	REEL NO.	REMARKS
VR-76-4J-C86-00225	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 4 FORE
VR-76-4J-086-00226	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 4 AFT
VR-76-4J-086-00227	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 2 FORE
VR-76-4J-086-00228	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 2 AFT
VR-76-4J-086-00229	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 1 FORE
VR-76-4J-086-00230	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 4 RUN 1 AFT
VR-76-4J-C86-00231	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 2 RUN 3 FORE
VR-76-4J-086-00232	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 2	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 2 RUN 3 AFT
VR-76-4J-086-00233	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 1 RUN 2 FORE
VR-76-4J-086-00234	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 1 RUN 2 AFT
VR-76-4J-C86-00235	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 1 RUN 3 FORE
VR-76-4J-086-00236	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 2 RUN 2 AFT
VR-76-4J-086-00237	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 1 RUN 1 AFT
VR-76-4J-996-00238	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 086 FLT 2 LINE 1 RUN 1 FORE SITE 002 FLT 3 LINE 1 RUN 3 AFT SITE 002 BELONGS TO MISSION 021
VR-76-4J-101-00239	5 APR 66	MISSION 021	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 101 FLT 2 LINE 91 RUN 1 FORE

## PROCESSED ELECTRONIC DATA

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ACCESSION NUMBER	DATE	DATA SOURCE	EDIUM	TYPE	REEL NO.	REMARKS
VR-75-EJ-998-00240	5 MAR 66	MISSION 021	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 161 FLT 2 LINE 91 RUN 1 FORE + AFT MISSION 033 SITE 114 FLT 1 LINE 3 RUN 1 FORE + AFT
VR-75-EJ-006-00333	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 046 FLT 2 LINE 1 RUN 3 AFT
VR-75-EJ-086-00334	7 MAR 66	MISSION 020	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 046 FLT 2 LINE 2 RUN 2 FORE
VR-76-EJ-998-00335	2 APR 66	MISSION 021	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 002 FLT 5 LINE 1 RUN 3 AFT SITE 101 F+T 2 LINE 91 RUN 1 FORE + AFT SITE 000 F+T 1 LINE 91 RUN 1 FORE + AFT
VR-76-EJ-998-00336	5 APR 66	MISSION 021	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 003 FLT 5 LINE 1 RUN 3 FORE + AFT SITE 101 FLT 2 LINE 91 RUN 1 FORE + AFT SITE 101 FLT 2 LINE 91 RUN 3 FORE SITE 101 DATA 2 APR 66 MISSION 020 SITE 006 FLT 2 LINE 1 RUN 3 FORE
VR-76-EJ-114-00337	10 DEC 66	MISSION 034	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 138 FLT 2 LINE 1 RUN 3 F+A REQ. 134,135 SITE 138 FLT 2 LINE 1 RUN 4 F+A REQ. 132,133
VR-76-EJ-114-00338	20 APR 67	MISSION 039	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 154 FLT 1 LINE 92 RUN 3 F+A REQ. 139,140 SITE 114 FLT 1 LINE 93 RUN 3 F+A REQ. 153,154 SITE 114 FLT 1 LINE 94 RUN 4 F+A REQ. 150,151 SITE 114 FLT 1 LINE 94 RUN 4 F+A
VR-76-EJ-114-00339	20 APR 67	MISSION 039	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 154 FLT 1 LINE 91 RUN 3 F+A REQ. 168,169 SITE 114 FLT 1 LINE 91-92 RUN 3 AFT REQ. 171,172 SITE 114 FLT 1 LINE 94 RUN 1 AFT REQ. 173 SITE 114 FLT 2 LINE 96 RUN 2 F+A REQ. 168,159 SITE 114 FLT 2 LINE 97 RUN 3 F+A REG. 161-164
VR-76-EJ-101-00340	5 JUN 67	MISSION 043	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 161 FLT 4 LINE 91 RUN 1 F+A REG. 164,165 SITE 101 FLT 4 LINE 92 RUN 2 FORE REQ. 161 SITE 101 FLT 4 LINE 93 RUN 2 F+A REG. 167,168 SITE 101 FLT 4 LINE 92 RUN 91 TEST REQ. 160
VR-76-EJ-998-00341	23 JUN 67	MISSION 044	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 002 FLT 4 LINE 1 RUN 1 FORE + AFT SITE 051 FLT 3 LINE 1 RUN 2 F+A + TEST SITE 051 FLT 3 LINE 1 RUN 2 F+A + TEST SITE 152 FLT 4 LINE 93 RUN 1 F+A REQ. 170,179 SITE 154 FLT 4 LINE 93 RUN 2 F+A REG. 175,176 SITE 154 FLT 4 LINE 1 RUN 2 TEST REQ. 174

## PROCESSED ELECTRONIC DATA

ACCESSION NUMBER	DATE	DATA SOURCE	MEEDIUM	TYPE	REEL NO.	REMARKS
VR-76-EJ-076-00443 19 SEP 66	MISSION 032	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 076 FLT 1 LINE 4 RUN 1 F+A REQ. 19H,199
VR-76-EJ-076-00444 19 SEP 66	MISSION 032	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 076 FLT 1 LINE 2 RUN 1 F+A REQ. 201,204
VR-76-EJ-138-00445 10 DEC 66	MISSION 034	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 138 FLT 2 LINE 1 RUN 5 F+A REQ. 22A
VR-76-EJ-138-CU446 10 DEC 66	MISSION 034	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 138 FLT 2 LINE 2 RUN 2 F+A REQ. 227
VR-76-EJ-138-00447 10 DEC 66	MISSION 034	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 138 FLT 2 LINE 2 RUN 3 F+A REQ. 22H
VR-76-EJ-138-00448 10 DEC 66	MISSION 034	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 138 FLT 2 LINE 2 RUN 4 F+A REQ. 229
VR-76-EJ-076-00449 19 SEP 66	MISSION 032	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 076 FLT 1 LINE 91 RUN 1 F+A REQ. 200,201
VR-76-EJ-076-00450 19 SEP 66	MISSION 032	MICROFILM	35 MM			RADAR REFLECTIVITY SITE 076 FLT 1 LINE 3 RUN 1 F+A REQ. 205,206
VR-76-EJ-076-00451 19 SEP 66	MISSION 032	MICROFILM	35 MM			RADAR REFLECTIVITY SITE 076 FLT 1 LINE 1 RUN 1 F+A REQ. 20H,209
VR-76-CL-143-00453 11 SEP 67	MISSION 047	MICROFILM	35 MM			RADAR REFLECTIVITY SITE 143 FLT 5 LINE 92 RUN 2 F+A REQ. 217,218
VR-76-CL-143-00454 11 SEP 67	MISSION 047	MICROFILM	35 MM			RADAR REFLECTIVITY SITE 143 FLT 6 LINE 94 RUN 1 F+A REQ. 219,220
VR-76-CL-143-00455 11 SEP 67	MISSION 047	MICROFILM	35 MM			RADAR REFLECTIVITY SITE 143 FLT 3 LINE 91 RUN 1 FORE REQ. 221
VR-76-CL-143-00456 11 SEP 67	MISSION 047	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 143 FLT 3 LINE 91 RUN 1 4FT REQ. 222
VR-76-EJ-051-00457 11 SEP 67	MISSION 044	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 051 FLT 1 LINE 1 RUN 1 F+A REQ. 224
VR-76-EJ-051-00458 11 SEP 67	MISSION 044	MICROFILM	35 MM	1 OF 1		RADAR REFLECTIVITY SITE 051 FLT 1 LINE 1 RUN 2 F+A REQ. 225

## PROCESSED ELECTRONIC DATA

ACCESSION NUMBER	DATE	DATA SOURCE	MEEDIUM	TYPE	REEL NO.	REMARKS
VR-76-EJ-114-00459	11 SEP 67	MISSION 039	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY SITE 114 FLT 2 LINE 95 RUN 1 F&A REQ. 525,926
VR-76-EJ-114-00460	11 SEP 67	MISSION 039	MICROFILM	35 MM	1 OF 1	BAVIC RADAR REFLECTIVITY SITE 114 FLT 2 LINE 97 RUN 3 F&A REQ. 527,926
VR-76-30-000-00472	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 6 L. 2 RUN 1 FLT 6 LINE 17 RUN 1 FLT 6 LINE 18 RUN 2
VR-76-EJ-019-00479	9 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SITE 119 FLT 6 LINES 11,12,15,17,20, 25
VR-76-EJ-019-00480	9 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SITE 119 FLT 6 LINES 19,20,79,81,83
VR-76-EJ-019-00481	9 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SITE 119 FLT 6 LINES 15,16,19 RUN 1 SITE 019 FLT 6 LINES 20,25 RUN 1
VR-76-EJ-019-00482	9 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SITE 119 FLT 6 LINES 49-51
VR-76-EJ-019-00483	9 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SITE 119 FLT 6 LINES 71,76,81,83
VR-76-30-000-00495	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 1 ORIGINAL NEG.
VR-76-30-000-00496	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 2 ORIGINAL NEG.
VR-76-30-000-00497	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 3 ORIGINAL NEG.
VR-76-30-000-00498	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 4 ORIGINAL NEG.
VR-76-30-000-00499	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 5 ORIGINAL NEG.
VR-76-30-000-00500	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 6 ORIGINAL NEG.
VR-76-30-000-00501	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 7 ORIGINAL NEG.
VR-76-30-000-00502	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 8 ORIGINAL NEG.
VR-76-30-000-00503	15 NOV 67	MISSION 023	MICROFILM	35 MM	1 OF 1	RC-B ROLL 9 ORIGINAL NEG.
VR-76-30-000-00504	15 NOV 67	MISSION 024	MICROFILM	35 MM	1 OF 1	RC-B ROLL 10 ORIGINAL NEG.
VR-76-30-000-00505	15 NOV 67	MISSION 024	MICROFILM	35 MM	1 OF 1	RC-B ROLL 11 ORIGINAL NEG.
VR-76-30-000-00506	15 NOV 67	MISSION 024	MICROFILM	35 MM	1 OF 1	RC-B ORIGINAL NEG. 21 INCH PULLDOWN

## PROCESSED ELECTRONIC DATA

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ACCESSION NUMBER	DATE	DATA SOURCE	EDIUM	TYPE	REEL NO.	REMARKS
VR-75-3J-046-00510 18 NOV 67	MISSION 023	MICROFILM	16 MM			MICROWAVE RADIOMETER S/C RITE 046
VR-76-30-000-00511 18 NOV 67	MISSION 029	MICROFILM	16 MM			MICROWAVE RADIOMETER S/C
VR-76-30-000-00512 18 NOV 67	MISSION 030	MICROFILM	16 MM			MICROWAVE RADIOMETER S/C
VR-76-30-000-00513 18 NOV 67	MISSION 038	MICROFILM	16 MM			MICROWAVE RADIOMETER S/C
VR-76-00-060-00514 18 NOV 67	MISSION 040	MICROFILM	16 MM			MICROWAVE RADIOMETER S/C
VR-76-4J-086-00575 23 JAN 67	MISSION 038	MICROFILM	35 MM			FORE + AFT SITE 086 FLIGHT 2 LINE 92 RUN 6 REQ 246
VR-76-4J-086-00576 15 DEC 67	MISSION 038	MICROFILM	35 MM			FORE + AFT SITE 086 FLIGHT 4 LINE 93 RUN 5 REQ 248
VR-76-4J-086-00577 15 DEC 67	MISSION 038	MICROFILM	35 MM			FORE + AFT SITE 086 FLIGHT 4 LINE 91 RUN 1 REQ 247
VR-76-4J-086-00578 15 DEC 67	MISSION 038	MICROFILM	35 MM			FORE + AFT SITE 086 FLIGHT 4 LINE 93 RUN 4 REQ 249
VR-76-4J-086-00579 15 DEC 67	MISSION 038	MICROFILM	35 MM			FORE + AFT SITE 086 FLIGHT 2 LINE 92 RUN 4 REQ 245
VR-76-30-000-00605 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 6 LINE 2
VR-76-30-000-00606 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 6 LINE 253,254
VR-76-30-000-00607 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 6 LINE 42,43,44
VR-76-30-000-00608 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 6 LINE 41,52-55
VR-76-30-000-00609 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 11,12,13
VR-76-30-000-00610 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 10,14 RUN 1,2
VR-76-30-000-00611 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 41 RUN 9-13
VR-76-30-000-00612 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 29,30,41 RUN 1-3
VR-76-30-000-00613 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 41 RUN 4-6
VR-76-30-000-00614 24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1		INFRARED FLT 5 LINE 41,42 RUN 1,14,15

## PROCESSED ELECTRONIC DATA

ACCESSION NUMBER	DATE	DATA SOURCE	EDIUM	TYPE	REEL NO.	REMARKS
VR-76-30-000-00615	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 18-21 RUN 1
VR-76-30-000-00616	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 22-24 RUN 1
VR-76-30-000-00617	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 10 RUN 2
VR-76-30-000-00618	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 10 RUN 1
VR-76-30-000-00619	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 15-17 RUN 1
VR-76-30-000-00620	24 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED FLT 5 LINE 25-28 RUN 1
VR-76-30-000-00621	27 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 6 LINE 12,17,19,253,254 RUN 1
VR-76-30-000-00654	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 10 RUN 1
VR-76-00-000-00655	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 10 RUN 2
VR-76-30-000-00656	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 10,14 RUN 2,4
VR-76-00-000-00657	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 15-17 RUN 1
VR-76-00-000-00658	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 18-21 RUN 1
VR-76-30-000-00659	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 22-24 RUN 1
VR-76-30-000-00660	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 25-28 RUN 1
VR-76-30-000-00661	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 29,30;41 RUN 1-3
VR-76-30-000-00662	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 41 RUN 4-8
VR-76-00-000-00663	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 41 RUN 9-13
VR-76-30-000-00664	4 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 5 LINE 41,42 RUN 14, 15,1
VR-76-30-000-00665	20 FEB 68	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED SMOOTHED FLT 6 BLACK BODY AND PLATE, CALB.
VR-76-4J-006-00680	30 JAN 68	MISSION 038	MICROFILM	35 MM	1 OF 1	SITE /86 FLT 4 LINE 93 RUN 2 FOR REQ. 265
VR-76-JK-160-00733	4 APR 68	MISSION 060	MICROFILM	35 MM	1 OF 2	SITE 160 FLT 1 LINE 92 RUN 2 FOR REQ. 546

## PROCESSED ELECTRONIC DATA

ACCESSION NUMBER	DATE	DATA SOURCE	MEDIUM	TYPE	REEL NO.	REMARKS
VR-76-JK-140-00734	4 APR 68	MISSION 060	MICROFILM	35 MM	2 OF 2	SITE 160 FLT 1 L' E 32 RUN 2 F&A REQ. 547
VR-76-L-166-00738	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 3 LINE 10 RUN 1 F&A REQ. 633
VR-76-L-166-00739	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 3 LINE 11 RUN 1 F&A REQ. 634
VR-76-L-166-00740	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 3 LINE 12 RUN 1 F&A REQ. 635
VR-76-L-166-00741	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 3 LINE 13 RUN 1 F&A REQ. 636
VR-76-L-166-00742	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 4 LINE 21 RUN 1 F&A REQ. 640
VR-76-L-166-00743	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 4 LINE 22 RUN 1 F&A REQ. 641
VR-76-LL-166-00744	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 4 LINE 23 RUN 1 F&A REQ. 642
VR-76-L-166-00745	6 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	SITE 166 FLT 4 LINE 24 RUN 1 F&A REQ. 643
VR-76-20-000-00753	8 DEC 67	MISSION 055	MICROFILM	35 MM		MICROWAVE FLIGHTS 5,6
VR-76-20-000-00754	8 DEC 67	MISSION 057	MICROFILM	35 MM		MICROWAVE FLIGHTS 1,2,4,5
VR-76-30-000-00755	8 DEC 67	MISSION 059	MICROFILM	35 MM		MICROWAVE FLIGHTS 7,8
VR-76-EJ-019-00773	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 2 RUN 1
VR-76-EJ-019-00774	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 15,16,19,20,25 RUN 1
VR-76-EJ-019-00775	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 42-44 RUN 1
VR-76-EJ-019-00776	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 45-51 RUN 1
VR-76-EJ-019-00777	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 41,52-55 RUN 1
VR-76-EJ-019-00778	8 DEC 67	MISSION 056	MICROFILM	35 MM		SMOOTHED SITE n19 FLT 6 LINE 11,12,15,17,20,21 RUN 2
VR-76-EJ-998-00783	20 JUN 67	MISSION 061	MICROFILM	35 MM	1 OF 1	GUIDANCE AND NAVIGATION DATA SITE 076 FLT 3 SITE 085 FLT 4 REQUEST 472-678
VR-76-30-000-00620	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	MICROWAVE FLIGHT 1,2
VR-76-30-003-00621	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	MICROWAVE FLIGHT 1,2,8

## PROCESSED ELECTRONIC DATA

ACCESSION NUMBER	DATE	DATA SOURCE	EDIUM	TYPE	REEL NO.	REMARKS
VR-76-30-000-00022	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	SCATTEROMETER/RVAN PLOTS FOR FLIGHT 1,2
VR-76-3H-120-00023	10 JUN 68	MISSION 066	MICROFILM	35 MM	1 OF 1	MICROWAVE SITE 120 FLIGHT 1,11
VR-76-30-000-00029	10 JUN 68	MISSION 040	MICROFILM	35 MM	1 OF 1	MICROWAVE SITE 120 FLIGHTS 1-3
VR-76-30-000-00030	27 JUN 68	MISSION 073	MICROFILM	35 MM	1 OF 1	MICROWAVE FLIGHT 1
VR-76-JK-160-00031	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	SITE 160 FLT 1,2 REQ. 684-717 PLOTS
VR-76-JK-160-00032	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	SITE 160 FLT 1,2 REQ. 684-717 LISTINGS
VR-76-30-000-00044	19 JUL 68	MISSION 076	MICROFILM	35 MM	1 OF 1	RADIOMETER STRIPCHART FLIGHTS 1-5
VR-76-30-000-00054	30 JUL 68	MISSION 077	MICROFILM	35 MM	1 OF 1	RADIOMETER STRIPCHART FLIGHT 2
VR-76-30-000-00055	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	FLIGHT 1 REQ. 486,689 50 KZ BANDWIDTH
VR-76-30-000-00056	22 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	FLIGHT 3 REQ. 433,635 50 KZ BANDWIDTH
VR-76-3J-167-00057	20 MAY 68	MISSION 072	MICROFILM	35 MM	1 OF 1	SITE 167 FLIGHT 3 REQUEST 761-764 ASG 90
VR-76-7H-032-00058	8 JUL 68	MISSION 075	MICROFILM	35 MM	1 OF 1	SITE 32 FLT 3 REQUEST 818-824 ASG 90
VR-76-30-000-00059	16 JUL 68	MISSION 076	MICROFILM	35 MM	1 OF 1	REQUEST 789-813 ASG 90
VR-76-30-000-00060	22 APR 68	MISSION 070	MICROFILM	35 MM	1 OF 1	FLIGHT 3 REQUEST 633-636 FILTER ONLINE
VR-76-30-000-00069	8 JUL 68	MISSION 075	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY REQUEST 824,861,862
VR-76-30-000-00070	20 JUN 67	MISSION 061	MICROFILM	35 MM	1 OF 1	FILTERED PLOTS FLT 3,4 REQUEST 672,678
VR-76-30-000-00071	20 JUN 67	MISSION 061	MICROFILM	35 MM	1 OF 1	FILTERED TABS FLT 3,4 REQUEST 672,678
VR-76-30-000-00072	18 JUN 68	MISSION 074	MICROFILM	35 MM	1 OF 1	GUIDANCE AND NAVIGATION ASG 90 ALL REQUEST
VR-76-30-000-00076	10 JUN 68	MISSION 060	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY 50 Hz BW SPEC REQUEST 687, 688,690,697
VR-76-30-000-00079	8 JUL 68	MISSION 075	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY FLT 3 REQ. 818-823
VR-76-30-000-00080	8 JUL 68	MISSION 075	MICROFILM	35 MM	1 OF 1	MICROWAVE ANTENNA TEMP. FLT 3
VR-76-30-000-00081	8 JUL 68	MISSION 075	MICROFILM	35 MM	1 OF 1	RADIOMETER FLT 3

## PROCESSED ELECTRONIC DATA

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VR-76-30-000-00865	8 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED TABS FLT 5 LINE 11-13
VR-76-30-000-00866	8 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED PLOTS FLT 5 LINE 11-13
VR-76-30-000-00867	8 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED TABS FLT 6 LINE 72,78,79,81,84
VR-76-30-000-00868	8 DEC 67	MISSION 056	MICROFILM	35 MM	1 OF 1	INFRARED PLOTS FLT 6 LINE 72,78,79,83,84
VR-76-30-000-00928	31 AUG 67	MISSION 058	MICROFILM	35 MM	1 OF 1	PRT-5 REQUEST 742
VR-76-30-000-00929	30 JUL 68	MISSION 077	MICROFILM -1	35 MM	1 OF 1	MICROWAVE FLT 2 LINE 30 RUN 1 FLT 2 LINE 31
VR-76-30-000-00930	30 JUL 68	MISSION 077	MICROFILM	35 MM	1 OF 1	RADAR REFLECTIVITY FLY 2
VR-76-30-000-00931	24 SEP 68	MISSION 080	MICROFILM	35 MM	1 OF 1	RADIOMETER STRIPCHART
VR-76-30-000-00952	6 NOV 68	MISSION 084	MICROFILM	35 MM	1 OF 1	RADIOMETER STRIPCHART FLY 2,3
VR-76-30-000-00964	24 MAY 68	MISSION 073	MICROFILM	35 MM	1 OF 1	MICROWAVE FLT 4 REQ. 974

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**SUPPLEMENT IV**

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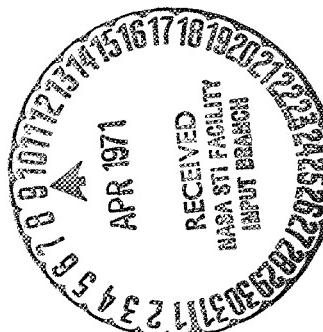


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## Supplement

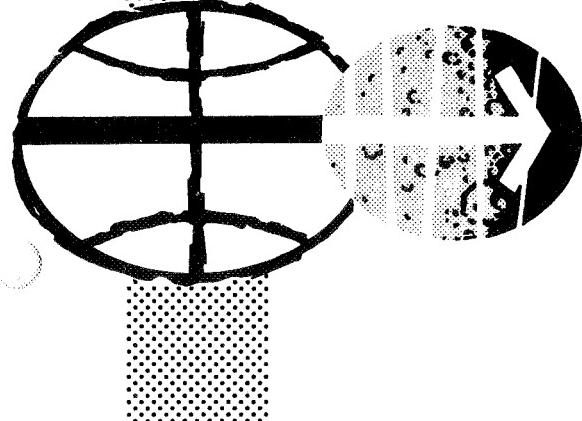
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DATA FACILITY  
R & D FILE**

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**MANNED SPACECRAFT CENTER  
HOUSTON, TEXAS**

NOVEMBER 1970



NOTICE

This document is the November Supplement to the July 1970, R&D File for the Earth Resources Research Data Facility.

The R&D File is published semi-annually and Supplements will be issued each month and should be retained.

TEST SITE

<u>Site</u>	<u>Zone</u>	<u>Name</u>
249	GJ	Guyandotte River, West Virginia
251	GJ	Destin, Florida
252	GJ	Chesapeake Bay, Maryland/Virginia
253	FH	Central Gulf Coastal Area
254	DJ	California Coastal Area
255	FJ	North High Plains, South Dakota
256	FH	Trinity Bay, Texas

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## **PART I - TECHNICAL DOCUMENTS AND MAPS**

AGRICULTURE

**AGRICULTURE**

**SECTION 04 MISSION SCREENING**

**AND SUMMARY REPORTS**

**MISSION SCREENING AND SUMMARY REPORTS - AGRICULTURE**

**ACCESSION NUMBER**

**DESCRIPTION**

NR-A4-GJ-250-C0151 MISSION 151 - METEOROLOGICAL DATA FOR EARTH RESOURCES AIRCRAFT PROGRAM. SITE 250, INDIANA GRAIN BELT (INDIANA). COMPILED BY THE ESSA WEATHER BUREAU, DETROIT, MICHIGAN - INDIANAPOLIS, INDIANA. SEPTEMBER 1970. (IN TWO PARTS)

**AGRICULTURE**

**SECTION 09 TECHNICAL REPORTS**

TECHNICAL REPORTS - AGRICULTURE

ACCESSION NUMBER	DESCRIPTION
NR-A9-00-000-00351	REMOTE SENSORS - A NEW DATA SOURCE FOR AGRICULTURAL STATISTICS. EARL E. HOUSEMAN, U.S. DEPT. OF AGRICULTURE, WASHINGTON, D.C. PUBLISHED IN AIAA, EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANAPOLIS, MD., MARCH 1970, PAPER NO.70-312. A70-22868. MICROFICHE COPY.
NR-A9-GJ-000-01159	INVESTIGATIONS OF CROP-HAIL LOSS MEASUREMENT TECHNIQUES. RESEARCH REPORT NO. 42. N.A. BARRON, S.A. CHANGNON, JR., J. HORNADAY, ILLINOIS STATE WATER SURVEY, URBANA, ILLINOIS. PB-189 706.

CARTOGRAPHY

## **CARTOGRAPHY**

### **SECTION 08 SUBJECT RELATED DOCUMENTS**

**SUBJECT RELATED DOCUMENTS - CARTOGRAPHY**

<b>ACCESSION NUMBER</b>	<b>DESCRIPTION</b>
NR-B8-00-000-00691	ESTIMATING COSTS OF AERIAL SURVEYS. ANTONIO M. AGUILAR, KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS. PUBLISHED IN CIVIL ENGINEERING, VOL. 39, NO. 10, OCT. 1969. PP70-73. W70-01698.

## **CARTOGRAPHY**

### **SECTION 09 TECHNICAL REPORTS**

TECHNICAL REPORTS - CARTOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-B9-00-000-00092	INVESTIGATION OF SMALL-SCALE MAP PROJECTIONS FOR SPACE IMAGERY. NATHAN RESNICK, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. MARCH 1970.
NR-B9-00-000-00357	K VOPROSU OBRABOTKI AEROSNIMKOV NA FOTOGRAMMETRICHESKIH PROBORAKH PO USTANOVOCHEM VELICHINOM. (PROCESSING OF AERIAL PHOTOGRAPHS ON PHOTOGRAMMETRIC DEVICES ON THE BASIS OF SETTING VALUES. PUBLISHED IN GEODEZIIA I KARTOGRAFIJA, VOL. 14, NO. 10, 1969. PP.61-63. A70-18691 MICROFICHE COPY.
NR-B9-00-000-00358	OB OPTIMALNOM MASSHTABE AEROFOTOSEMKI. (OPTIMAL SCALE OF AERIAL SURVEYS). A.G. VAININ, USSR. PUBLISHED IN GEODEZIIA I KARTOGRAFIJA, VOL. 14, NO. 10, 1969. PP.52-61. A70-18690 MICROFICHE COPY
NR-B9-00-000-00638	THE CASE FOR UNIVERSAL MAPPING. ALDEN P. COLVOCORESSES, U.S. GEOLOGICAL SURVEY, MC LEAN, VA. AND U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C.
NR-B9-00-000-00766	TOPOGRAPHISCHE KARTOGRAPHIE IN DER GEGENWART. (TOPOGRAPHIC MAPPING AT THE PRESENT TIME.) HERBERT KNORR, FRANKFURT A.M. GERMANY. PUBLISHED IN ZEITSCHRIFT FUR VERMESSUNGWESEN, VOL. 94, DEC. 1969. PP.504-511. A70-19371.
NR-B9-00-000-01036	ERFAHRUNGEN BEI DER HERSTELLUNG VON ORTHOPHOTOKARTEN. (EXPERIENCE IN THE PRODUCTION OF ORTHOPHOTO MAPS.) G. WINKELMANN, MUNSTER, GERMANY. PUBLISHED IN BILDMESSUNG UND LUFTBILDWESEN, VOL. 37, SEPT. 1969. PP.183-186. A69-41246.
NR-B9-00-000-01166	ADVANCED RADAR MAP COMPILED EQUIPMENT. CLIFFORD J. CRANDALL, U.S. ARMY, INTELLIGENCE AND MAPPING RESEARCH AND DEVELOPMENT AGENCY (GIMRADA), FT. BELVOIR, VA. PUBLISHED IN PHOTOGRAMMETRIC ENGINEERING, VOL. 29, NO. 6, 1963. PP.947-955.

**FORESTRY**

## **GEOGRAPHY**

### **SECTION 08 - SUBJECT RELATED DOCUMENTS**

SUBJECT RELATED DOCUMENTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-D8-00-000-00690	MOIRE TOPOGRAPHY. H. TAKASAKI, SHIZUOKA UNIVERSITY, HAMAMATSU-SHI, JAPAN. PUBLISHED IN APPLIED OPTICS, VOL. 9, NO. 6, JUNE 1970. PP.1467-1472.

## **FORESTRY**

### **SECTION 08 SUBJECT RELATED DOCUMENTS**

**SUBJECT RELATED DOCUMENTS - FORESTRY**

<b>ACCESSION NUMBER</b>	<b>DESCRIPTION</b>
<b>NR-C8-00-000-00174</b>	<b>FORESTER'S GUIDE TO AERIAL PHOTO INTERPRETATION. USDA/ AGRICULTURAL HANDBOOK 308. T. EUGENE AVERY, FOREST SERVICE, U.S. DEPT. OF AGRICULTURE, WASHINGTON, D.C. OCT. 1966.</b>

GEOLOGY

# GEOGRAPHY

## **GEOGRAPHY**

### **SECTION 08 - SUBJECT RELATED DOCUMENTS**

SUBJECT RELATED DOCUMENTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-D8-00-000-00690	MOIRE TOPOGRAPHY. H. TAKASAKI, SHIZUOKA UNIVERSITY, HAMAMATSU-SHI, JAPAN. PUBLISHED IN APPLIED OPTICS, VOL. 9, NO. 6, JUNE 1970. PP.1467-1472.

**GEOGRAPHY**  
**SECTION 09 - TECHNICAL REPORTS**

TECHNICAL REPORTS - GEOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-D9-EJ-998-00326	POTENTIAL RESEARCH AND EARTH RESOURCES STUDIES WITH ORBITING RADARS - RESULTS OF RECENT STUDIES. RICHARD K. MOORE AND DAVID SIMONETT, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS. PRESENTED AT THE AIAA ANNUAL MEETING AND TECHNICAL DISPLAY, 4TH, ANAHEIM, CALIF., OCT. 1967, AIAA PAPER NO. 67-767. GK-1153, N62305-67-C-0044, AND 14-08-0001-10848. PUBLISHED AS AIAA PAPER NO. 67-767, 4TH ANNUAL MEETING AND TECHNICAL DISPLAY, OCTOBER 23-27, 1967, ANAHEIM, CALIFORNIA. MICROFICHE AND HARD COPY. A67-42936
NR-D9-FJ-996-00360	POTENTIAL CONTRIBUTION OF ORBITAL EARTH RESOURCES DATA TO URBAN PLANNING. CHARLES T.N. PALUDAN, NASA/HUNTSVILLE, ALA. PRESENTED AT AMERICAN ASTRONAUTICAL SOCIETY AND OPERATIONS RESEARCH SOCIETY OF AMERICA, JOINT MEETING, DENVER, COLO., JUNE 1969, AAS PAPER 69-483. A69-42837. MICROFICHE COPY.
NR-D9-00-000-01012	EXPERIMENTAL APPLICATIONS OF MULTIBAND PHOTOGRAPHY IN URBAN RESEARCH. ERIC G. MOORE AND BARRY S. WELLAR, DEPT. OF GEOGRAPHY, NORTHWESTERN UNIVERSITY, CHICAGO, ILL. REPRINT FROM ILLINOIS STATE ACADEMY OF SCIENCE, TRANSACTIONS, VOL. 61, NO. 1, 1968. PP.80-88.
NR-D9-00-000-01183	THE MOVEMENT OF BARCHAN DUNES MEASURED BY AERIAL PHOTOGRAVIMETRY. HERMAN J. FINKEL, ISRAEL INSTITUTE OF TECHNOLOGY, HAIFA, ISRAEL. PUBLISHED IN PHOTOGRAVIMETRIC ENGINEERING, VOL. 27, NO. 3, 1961. PP.439-444.
NR-D9-00-000-01196	MAIN TRENDS IN THE APPLICATION OF AIRPHOTO METHODS TO GEOGRAPHICAL RESEARCH IN THE U.S.S.R. - A REVIEW OF PUBLICATIONS, 1962-1964. B.V. VINOGRADOV, ACADEMY OF SCIENCES, LENINGRAD, USSR. PUBLISHED IN PHOTOGRAVIMETRIA, VOL. 23, MAY 1968. PP.77-94. A68-34720.
NR-D9-WJ-000-01199	AERIAL SURVEY - COLONY OF HONG KONG. H.G. DAWE, HUNTING SURVEYS LTD. PUBLISHED IN PHOTOGRAVIMETRIC RECORD, VOL. 6, NO. 34, OCT. 1969. PP.335-347.
NR-D9-GH-164-01215	A MULTISPECTRAL SURVEY OF A COASTAL-INTRACOASTAL ENVIRONMENT. RICHARD E. WITMER, FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLORIDA. TECHNICAL REPORT NO. 5, CONTRACT NO. NONR 4761(00). AD-667 610.
NR-D9-GH-164-01219	INSTRUMENTED GEOGRAPHIC ANALYSIS OF MULTISENSOR IMAGERY. JAMES P. LATHAM, FLORIDA ATLANTIC UNIVERSITY, BOCA RATON, FLORIDA. PRESENTED AT THE INTERNATIONAL GEOGRAPHIC CONGRESS, 21ST, NEW DELHI, INDIA, DEC. 1968, SECTION IX - CARTOGRAPHY AND PHOTOGEOGRAPHY.
NR-D9-EJ-130-01246	INFRARED SPECTROSCOPY AND INFRARED LASERS IN AIR POLLUTION RESEARCH AND MONITORING. PHILIP L. HANST, NASA ELECTRONICS RESEARCH CENTER, CAMBRIDGE, MASSACHUSETTS. IN - APPLIED SPECTROSCOPY, VOL. 24, NO. 2, MARCH/APRIL 1970. PP.161-174. A70-29106.

# GEOLOGY



## **GEOLOGY**

### **SECTION 09 TECHNICAL REPORTS**

TECHNICAL REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
NR-E9-00-000-00774	INSTRUMENT DETAILS AND APPLICATIONS OF NEW AIRBORNE MAGNETOMETER. HOMER JENSEN, AERO SERVICE CORP., PHILADELPHIA, PA. PUBLISHED IN GEOPHYSICS, VOL. 30, NO. 5, OCT. 1965. PP.875-882.
NR-E9-XJ-000-00972	ON IR IMAGERY AND ITS APPLICATION TO THE MAPPING OF GEOTHERMAL DISTRIBUTIONS. K. MATSUNO, H. HASE, AND K. NISHIMURA, GEOLOGICAL SURVEY OF JAPAN, KAWASAKI, JAPAN. PUBLISHED IN PHOTOGRAHMETRIA, VOL. 25, DEC. 1969. PP.61-74. A70-16498.
NR-E9-00-000-01113	ASSESSMENT OF SATELLITE PHOTOGRAPHS FOR GEOLOGICAL MAPPING AND RESEARCH. J.A.E. ALLUM, INSTITUTE OF GEOLOGICAL SCIENCES, 5, PRINCES GATE, LONDON, S.W. 7. PUBLISHED IN JOURNAL OF THE BRITISH INTERPLANETARY SOCIETY, VOL. 23, NO. 4, APRIL 1970. PP.297-306.
NR-E9-EJ-998-01162	THE MULTIBAND APPROACH TO GEOLOGICAL MAPPING FROM ORBITING SATELLITES - IS IT REDUNDANT OR VITAL. R.J.P. LYON, STANFORD UNIVERSITY, STANFORD, CALIF. PRESENTED AT THE AIAA, EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD., MARCH 1970. CONTRACT NOS. NAS9-7313 AND USDI 14-08-0001-11-72. A70-22**2.
NR-E9-EJ-002-01163	PISGAH CRATER TERRAIN ANALYSIS. G.A. MC CUE AND J. GREEN, NORTH AMERICAN AVIATION, INC., DOWNEY, CALIF. PUBLISHED IN PHOTOGRAHMETRIC ENGINEERING, VOL. 31, NO. 5, SEPT. 1965. PP.810-821
NR-E9-00-000-01164	GEOLOGIC INTERPRETATION OF AIRBORNE INFRARED IMAGERY. LAURENCE H. LATTMAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PA. PUBLISHED IN PHOTOGRAHMETRIC ENGINEERING, VOL. 29, NO. 1, 1963. PP.83-87.
NR-E9-00-000-01177	TERRAIN MAPPING BY USE OF INFRARED RADIATION. DAVID E. HARRIS AND CASPAR L. WOODBRIDGE, HRB-SINGER, INC., STATE COLLEGE, PA. PUBLISHED IN PHOTOGRAHMETRIC ENGINEERING, VOL. 30, JAN. 1964. PP.134-139. PUBLISHED IN THE TRANS-
NR-E9-00-000-01180	THE SEARCH FOR ORE DEPOSITS USING THERMAL RADIATION. D.W. STRANGWAY AND R.C. HOLMER, KENNECOTT COPPER CORP., SALT LAKE CITY, UTAH. PUBLISHED IN GEOPHYSICS, VOL. 31, NO. 1, FEB. 1966. PP.225-242.
NR-E9-00-000-01188	INTERPRETING NATURAL TERRAIN FROM RADAR DISPLAYS. A.M. FEDER, CORNELL AERONAUTICAL LAB., BUFFALO, NEW YORK. PUBLISHED IN PHOTOGRAHMETRIC ENGINEERING, VOL. 26, NO. 4, 1960. PP.618-630.
NR-E9-LL-166-01189	A COMPARISON OF AERIAL FILMS IN THE STUDY OF BREIDAMERKUR GLACIER AREA, ICELAND. R. WELCH, UNIVERSITY OF GLASGOW, GLASGOW, SCOTLAND. PUBLISHED IN PHOTOGRAHMETRIC RECORD, VOL. 5, NO. 28, OCT. 1966. PP.289-306.
NR-E9-EJ-998-01195	EVALUATION OF GEOTHERMAL PROSPECTS AND THE OBJECTIVES OF GEOTHERMAL EXPLORATION. GUNNAR BODVARSSON, OREGON STATE UNIVERSITY, CORVALLIS, OREGON. PUBLISHED IN GEOEXPLORATION, VOL. 8, NO. 1, 1970. PP.7-17.
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TECHNICAL REPORTS - GEOLOGY

ACCESSION NUMBER	DESCRIPTION
NR-E9-CL-000-01224	INTERPRETATION OF ALASKAN POST-EARTHQUAKE PHOTOGRAPHS. ROBERT J. HACKMAN, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PUBLISHED IN PHOTGRAMMETRIC ENGINEERING, VOL. 31, JULY 1969. PP.604-610.
NR-E9-LL-166-01227	PALEOMAGNETISM AND MAGNETIC SURVEYS IN ICELAND. LEO KRISTJANSSON, UNIVERSITY OF ICELAND, REYKJAVIK, ICELAND. PUBLISHED IN EARTH AND PLANETARY SCIENCE LETTERS, VOL. 8, NO. 2, APRIL 1970. PP.101-108.
NR-E9-00-000-01228	THE PHOTOGEOLOGICAL RECOGNITION OF ANCIENT OROGENIC BELTS IN AFRICA. JOHN VORD HEPWORTH, INSTITUTE OF GEOLOGICAL SCIEN- CES, LONDON, ENGLAND. PUBLISHED IN JOURNAL GEOLOGICAL SOCIETY OF LONDON QUARTERLY, VOL. 123, PART 3, NO491, 1967. PP.253-291.

# HYDROLOGY

## **HYDROLOGY**

### **SECTION 08 SUBJECT RELATED DOCUMENTS**

SUBJECT RELATED DOCUMENTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
NR-F8-00-000-00687	A MODELING APPROACH TO THE PROBLEM OF DETERMINING THE TEMPERATURE OF RIVERS FROM SATELLITES. A.A. DMITRIEV AND T.V. EVNEVICH, MOSCOW STATE UNIVERSITY, USSR. PUBLISHED IN AKADEMIJA NAUK SSSR, IZVESTIA, ATMOSPHERIC AND OCEANIC PHYSICS, VOL. 2, NO. 8, 1966. PP.897-899.

## **HYDROLOGY**

### **SECTION 09 TECHNICAL REPORTS**

TECHNICAL REPORTS - HYDROLOGY

ACCESSION NUMBER	DESCRIPTION
NR-F9-EJ-130-00424	EFFECTIVE WATER RESOURCE MANAGEMENT. TRW SYSTEMS, SAN BERNARDINO, CALIF. APRIL 1968.
NR-F9-00-000-00490	EFFECTS ON PHOTOGRAPHS OF WATER BY VARIATION OF SEDIMENT AND ALGAL CONTENT UNDER CONTROLLED CONDITIONS. TECHNICAL REPORT 9. LYMAN O. WILLIAMS AND JOHN DAVID SAMOL, EAST TENNESSEE STATE UNIVERSITY, JOHNSON CITY, TENN. CONTRACT NO. N00014-67-A-0102-0001.
NR-F9-GK-000-00689	A RECONNAISSANCE STUDY OF CERTAIN ASPECTS OF THE HEAT CYCLE OF LAKES. FINAL REPORT DEC. 57-JAN. 68. REID A. BRYSON AND ROBERT A. RAGOTZKIE, UNIVERSITY OF WISCONSIN, MADISON, WIS. AUG. 1969. CONTRACT NO. NONR-1202(07). STAR N70-15031. AD-695 059.
NR-F9-00-000-01161	MICROWAVE SENSORS FOR WATER MANAGEMENT AND HYDROLOGY FROM SPACE. J.M. KENNEDY, RYAN AERONAUTICAL CO., SAN DIEGO, CALIF. PRESENTED AT THE AIAA ANNUAL MEETING AND TECHNICAL DISPLAY, 5TH, PHILADELPHIA, PA., OCT. 1968, PAPER 68-1076. A68-44991.
NR-F9-CH-095-01173	WATER RESOURCES IN THE EVERGLADES. WILLIAM J. SCHNEIDER, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C. PUBLISHED IN PHOTOGRAHMETRIC ENGINEERING, VOL. 32, NOV. 1966. PP.958-965.
NR-F9-00-000-01186	ASPECTS OF COMPARATIVE AIR PHOTointerpretation IN THE DYFI ESTUARY. A.D. JONES, UNIVERSITY COLLEGE OF WALES, ABERYSTWYTH, WALES. PUBLISHED IN PHOTOGRAHMETRIC RECORD, VOL. 6, APRIL 1969. PP.291-305.
NR-F9-GJ-168-01208	WATER QUALITY AND PLANT DISTRIBUTION ALONG THE UPPER PATUXENT RIVER, MARYLAND. RICHARD R. ANDERSON, AMERICAN UNIVERSITY, WASHINGTON, D.C., RUSSELL G. BROWN AND ROBERT D. RAPPLEYE, UNIVERSITY OF MARYLAND, COLLEGE PARK, MD. PUBLISHED IN CHESAPEAKE SCIENCE, VOL. 9, NO. 3, SEPT. 1968. PP.145-156.
NR-F9-BH-998-01226	INFRARED PHOTOGRAPHY AND IMAGERY IN WATER RESOURCES RESEARCH. CHARLES J. ROBINOFF, U.S. GEOLOGICAL SURVEY, ST. LOUIS, MO. PUBLISHED IN THE JOURNAL OF AMERICAN WATER WORKS ASSOCIATION, VOL. 57, NO. 1, 1965. PP.834-840.

# OCEANOGRAPHY

OCEANOGRAPHY  
SECTION 04 MISSION SCREENING AND  
SUMMARY REPORTS

MISSION SCREENING AND SUMMARY REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G4-FH-158-C0149	MISSION 149 - METEOROLOGICAL DATA FOR EARTH RESOURCES AIRCRAFT PROGRAM, SITE 158, CORPUS CHRISTI, TEXAS/GULF OF MEXICO. HURRICANE CELIA, AUGUST 2-6, 1970. ITOS WEATHER SATELLITE PHOTOGRAPHS. COMPILED BY ESSA/WEATHER BUREAU, GULF COAST STATIONS, NEW ORLEANS, LOUISIANA - GALVESTON, TEXAS, ET AL.

## **OCEANOGRAPHY**

### **SECTION 08 SUBJECT RELATED DOCUMENTS**

SUBJECT RELATED DOCUMENTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G8-00-000-00714	THEORY OF HF GROUND WAVE BACKSCATTER FROM SEA WAVES. JAMES R. WAIT, ESSA, BOULDER, COLO. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 71, NO. 20, OCT. 1966. PP.4839-4842.

**OCEANOGRAPHY**

**SECTION 09 TECHNICAL REPORTS**

TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G9-DK-000-00350	THE RELATIONSHIP BETWEEN ATMOSPHERIC LIGHT SCATTERING COEFFICIENTS AND VISIBILITY. HELMUTH HORVATH AND KENNETH E. NOLL, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON. PUBLISHED IN ATMOSPHERIC ENVIRONMENT, VOL. 3, SEPT. 1969. PP.543-550. A70-18923.
NR-G9-00-000-00352	REMOTE SENSING OF THE SEA CONDITIONS WITH MICROWAVE RADIOMETER SYSTEMS. J.C. AUKLAND, ET AL., SPECTRAN, INC., DOWNEY, CALIFORNIA. PUBLISHED IN AIAA, EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD. MARCH 1970. PAPER NO.70-318. A70-22869 MICROFICHE COPY.
NR-G9-HJ-138-00353	OCEAN AND WATER SURFACE TEMPERATURE MEASUREMENTS USING INFRARED REMOTE SENSING TECHNIQUES FROM AIRBORNE PLATFORMS. MORRIS WEISS, BARNES ENGINEERING CO., STAMFORD, CONN. PUBLISHED IN AIAA, THERMO PHYSICS CONFERENCE, 4TH, SAN FRANCISCO, CALIFORNIA. JUNE 1969, PAPER NO.69-590. A69-33286. MICROFICHE COPY.
NR-G9-00-000-00367	COMBINED AERIAL AND SHIPBOARD UPWELLING STUDY IN THE BENGUELA CURRENT. W.R.H. ANDREWS, DIV. OF SEA FISHERIES, SEA POINT, CAPE TOWN, SOUTH AFRICA, AND D.L. CRAM, CSIR, OCEANOGRAPHIC RESEARCH UNIT, UNIVERSITY OF CAPE TOWN, SOUTH AFRICA. PUBLISHED IN NATURE, VOL. 224, NO. 5222, NOV. 1969. PP.902-904.
NR-G9-00-000-00761	POWER SPECTRA FROM OCEAN MOVEMENTS MEASURED REMOTELY BY IONOSPHERIC RADIO BACKSCATTER. J.F. WARD, TOWNSVILLE UNIVERSITY COLLEGE, TOWNSVILLE, QUEENSLAND, AUSTRALIA. PUBLISHED IN NATURE, VOL. 223, NO. 5213, SEPT. 1969. PP.1325-1330.
NR-G9-00-000-00764	SPACE RECONNAISSANCE OF THE OCEAN - OPPORTUNITIES AND LIMITATIONS. GIFFORD C. EWING, WOODS HOLE OCEANOGRAPHIC INSTITUTION, WOODS HOLE, MASS. PUBLISHED IN ANNALS OF NEW YORK ACADEMY OF SCIENCES, VOL. 140, NO. 1, DEC. 1966. PP.83-92.
NR-G9-00-000-00767	AN UNDERWATER SPECTRAL IRRADIANCE COLLECTOR. RAYMOND C. SMITH, SCRIPPS INSTITUTE OF OCEANOGRAPHY, UNIVERSITY OF CALIFORNIA, SAN DIEGO, LA JOLLA, CALIFORNIA. PUBLISHED IN JOURNAL OF MARINE RESEARCH, VOL. 27, NO. 3, 1969. PP.341-351.
NR-G9-00-000-00768	CORRELATION OF RADAR BACKSCATTERING CROSS-SECTIONS WITH OCEAN WAVE HEIGHTS AND WIND VELOCITY. TECHNICAL REPORT. K. KRISHEN, LOCKHEED ELECTRONICS CO., HOUSTON, TEXAS. REPORT NO. LEC/HASD NO. 649.21.025. CONTRACT NO. NAS9-5191.
NR-G9-00-000-00769	THE REMOTE SENSING FROM AIRCRAFT AND SPACE VEHICLES OF TRACE VAPOURS ASSOCIATED WITH BIOLOGICAL ACTIVITY IN THE OCEANS. A.R. BARRINGER, BARRINGER RESEARCH, LTD., REXDALE, ONTARIO, CANADA.
NR-G9-00-000-00770	REMOTE SENSING OF MARINE EFFLUvia. A.R. BARRINGER, BARRINGER RESEARCH, LTD., REXDALE, ONTARIO, CANADA.
NR-G9-00-000-00773	INFRARED-OPTICAL TECHNIQUES APPLIED TO OCEANOGRAPHY. I. MEASUREMENT OF TOTAL HEAT FLOW FROM THE SEA SURFACE. E.D. MC ALISTER, SCRIPPS INSTITUTION OF OCEANOGRAPHY, UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIFORNIA. PUBLISHED IN APPLIED OPTICS, VOL. 3, NO. 4, MAY 1964.
NR-G9-GJ-998-00799	A PROCEDURE TO ELIMINATE PERIODIC NOISE FOUND IN NIMBUS II HIGH RESOLUTION INFRARED RADIOMETER MEASUREMENTS. LARRY M. MC MILLIN, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. FEB. 1969. REPORT NO. 9G45-32 AND TR-9. CONTRACT NO. NAS5-10343.

TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G9-BH-057-00817	UNDERWATER DEPTH DETERMINATION BY AERIAL PHOTOGRAPHY. A.C. LUNDAHL, U.S. NAVY PHOTOGRAPHIC INTERPRETATION CENTER. PUBLISHED IN PHOTGRAMMETRIC ENGINEERING, VOL. 14, NO. 4, 1948. PP.454-462.
NR-G9-00-000-00848	ENVIRONMENTAL MANAGEMENT IN MARINE WATERS. MARINE POLLUTION PANEL DISCUSSION. CLARENCE M. TARZWELL, NATIONAL MARINE WATER QUALITY LAB., WEST KINGSTON, R.I. AND CHARLES J. ROBINOVE, EARTH RESOURCES OBSERVATION SATELLITE PROGRAM OF THE DEPT. OF THE INTERIOR, WASHINGTON, D.C. PRESENTED AT THE NORTH EASTERN REGIONAL ANTI POLLUTION ANNUAL CONFERENCE, UNIVERSITY OF RHODE ISLAND, JULY 1969.
NR-G9-00-000-01006	ATMOSPHERIC PROPERTIES AND REFLECTANCES OF OCEAN WATER AND OTHER SURFACES FOR A LOW SUN. A.R. BOILEAU AND J.I. GORDON, SCRIPPS INSTITUTE OF OCEANOGRAPHY, UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIF. PUBLISHED IN APPLIED OPTICS, VOL. 5, NO. 5, MAY 1966. PP.803-#13.
NR-G9-DJ-012-01011	REMOTE SENSING OF OCEAN COLOR. JAMES S. BAILEY AND PETER G. WHITE, TRW SYSTEMS GROUP, REDONDO BEACH, CALIF. PUBLISHED IN ADVANCES IN INSTRUMENTATION, VOL. 24, PART 3, 1969. ISA, PITTSBURGH. PP.635-1 TO 635-7. PRESENTED AT THE INSTRUMENT SOCIETY OF AMERICA, ANNUAL CONFERENCE, 24TH, HOUSTON, TEXAS, OCT. 1969. A70-18592.
NR-G9-GH-155-01147	THE FEASIBILITY OF DETECTION AND CLASSIFICATION OF FISH OIL SLICKS BY REMOTE SENSING. BARRINGER RESEARCH LIMITED, ONTARIO, CANADA. REPORT NO. TR-68-54. FEB. 1968.
NR-G9-00-000-01157	THE AIRBORNE RADIATION THERMOMETER ON THE PACIFIC COAST OF CANADA. J.P. TULLY, FISHERIES RESEARCH BOARD OF CANADA, PACIFIC OCEANOGRAPHIC GROUP, NANAIMO, B.C. APRIL 1964.
NR-G9-00-000-01158	SLAR IMAGERY FOR SEA ICE STUDIES. RICHARD A. BRADIE, RAYTHEON/AUTOMETRIC, ALEXANDRIA, VA. PUBLISHED IN PHOTGRAMMETRIC ENGINEERING, VOL. 33, NO. 7, 1967. PP.763-766.
NR-G9-LL-166-01171	WORLDWIDE OCEANIC WIND AND WAVE PREDICTIONS USING A SATELLITE RADAR RADIOMETER. RICHARD K. MOORE, UNIVERSITY OF KANSAS, LAWRENCE, KANSAS, AND WILLARD J. PIERSON, JR., NEW YORK UNIVERSITY, BRONX, NEW YORK. PRESENTED AT THE AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING ANNAPOLIS, MD., MARCH 1970, PAPER NO. 70-310. A70-22877.
NR-G9-GJ-239-01174	GREAT LAKES WATER TEMPERATURES BY AERIAL SURVEY. T.L. RICHARDS, METEOROLOGICAL SERVICE OF CANADA, PUBLISHED IN THE INTERNATIONAL ASSOCIATION OF SCIENTIFIC HYDROLOGY, NO. 70, 1966. PP.406-419.
NR-G9-00-000-01176	TO HUNT AN ICEBERG - MICROWAVE RADIOMETRY. ENSIGN CHARLES W. JUDGE, U.S. COAST GUARD. PUBLISHED IN GEOMARINE TECHNOLOGY, VOL. 1, NO. 3, FEB. 1965. PP.29-31.
NR-G9-HJ-998-01190	THE HORIZONTAL EXTENT AND PERSISTENCE OF THERMAL FRONTS IN THE SARGASSO SEA. ARTHUR D. VOORHIS, WOODS HOLE OCEANOGRAPHIC INSTITUTION, WOODS HOLE, MASS. PUBLISHED IN DEEP-SEA RESEARCH, SUPPLEMENT TO VOL. 16, 1969. PP.331-337. CONTRACT NO. NONR-2196(01). AD-699 886.
NR-G9-GJ-000-01200	DEVELOPMENT AND EVALUATION OF PROCEDURE FOR USING AERIAL PHOTOGRAPHS TO CONDUCT A SURVEY OF COASTAL EROSION. DONALD BENNETT STAFFORD, NORTH CAROLINA STATE UNIVERSITY, RALEIGH, NORTH CAROLINA. PUBLISHED IN DISSERTATION ABSTRACTS, VOL. 29, 1969. PP.4163B-4164B. STAR N70-10073.
NR-G9-00-000-01201	OCEAN SURFACE ENVIRONMENT DEFINITION UTILIZING LASER TECHNIQUES. RONALD L. KIRK, ELECTRO-OPTICAL SYSTEMS, INC., PASADENA, CALIF. PUBLISHED IN IEEE INTERNATIONAL CONVENTION RECORD, 1967. ANNUAL, PART 8, MARCH 1967. PP.84-93. CONTRACT NO. NOW 66-0509-C.

TECHNICAL REPORTS - OCEANOGRAPHY

ACCESSION NUMBER	DESCRIPTION
NR-G9-00-000-01205	UTILIZATION OF SATELLITE PHOTOS FOR ICE INTELLIGENCE. GABRIEL J. POTOCKY, NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. PRESENTED AT THE AMERICAN GEOPHYSICAL UNION, 49TH ANNUAL MEETING, APRIL 1968. PUBLISHED IN AMERICAN GEOPHYSICAL UNION TRANSACTIONS, VOL. 49, NO. 1, MARCH 1968. PP.219-223.
NR-G9-00-000-01206	COLOR ENHANCEMENT OF NIMBUS HIGH RESOLUTION INFRARED RADIOMETER DATA. E.R. KREINS, U.S. AIR FORCE, ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER, WASHINGTON, D.C. AND L.J. ALLISON, GODDARD SPACE FLIGHT CENTER, GREENBELT, MD. PUBLISHED IN APPLIED OPTICS, VOL. 9, NO. 3, MARCH 1970. PP.681-686.
NR-G9-00-000-01210	A PHOTOGRAPHIC MEANS OF OBTAINING MONOCHROMATIC SPECTRA OF MARINE ALGAE. S.R. BAIG AND C.S. YENTSCH, NOVA UNIVERSITY, FORT LAUDERDALE, FLORIDA. PUBLISHED IN APPLIED OPTICS, VOL. 8, NO. 12, DEC. 1969. PP.2566-2568.
NR-G9-00-000-01211	VIEW OF THE OCEAN FROM SPACE. BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL LAB. (GALVESTON) CONTRIBUTION NO. 259. ROBERT E. STEVENSON, BUREAU OF COMMERCIAL FISHERIES BIOLOGICAL LAB., GALVESTON, TEXAS.
NR-G9-GJ-998-01212	APPLICATION OF INFRARED MEASURING TECHNIQUES TO THE REMOTE SENSING OF WATER SURFACE TEMPERATURE. MORRIS WEISS, BARNES ENGINEERING CO., STAMFORD, CONN. PUBLISHED IN CANADIAN AERONAUTICS AND SPACE JOURNAL, VOL. 15, NO. 5, MAY 1969. PP.165-172.
NR-G9-HJ-998-01213	DATA HANDLING, DATA ANALYSIS AND GROUND VERIFICATION OF COLOR AND MULTI-SPECTRAL IMAGERY FOR COASTAL SURVEYING. ALFRED C. CONROD AND EDWIN A. OLSSON, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASS. CONTRACT NUMBER NAS 12-2213. PUBLISHED IN AIAA, EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEMS MEETING, ANNAPOLIS, MD. MARCH 1970. PAPER NO.70-299. A70-22885.
NR-G9-00-000-01214	THE RELATION OF BACKSCATTERED RADIATION TO WIND-STRESS AT THE SEA SURFACE. FINAL REPORT 1967. SIO REFERENCE SERIES 67-28. CHARLES COX, UNIVERSITY OF CALIFORNIA, SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CALIF. CONTRACT NO. N62306-1165.
NR-G9-00-000-01217	AERIAL MEASUREMENT OF SEA-SURFACE TEMPERATURE IN THE INFRARED. PETER M. SAUNDERS, WOODS HOLE OCEANOGRAPHIC INSTITUTION, WOODS HOLE, MASS. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 72, NO. 16, AUG. 1967. PP.4109-4117.
NR-G9-00-000-01218	EFFECT OF TEMPERATURE, ANGLE OF OBSERVATION, SALINITY, AND THIN ICE ON THE MICROWAVE EMISSION OF WATER. V.A. SIROUNIAN DOUGLAS AIRCRAFT COMPANY, SANTA MONICA, CALIF. PUBLISHED IN JOURNAL OF GEOPHYSICAL RESEARCH, VOL. 73, NO. 14, JULY 1968. PP.4481-4486.
NR-G9-00-000-01223	OCEAN WAVE PROFILE RECORDER. AN OCEANOGRAPHIC INSTRUMENT TRANSPORTABLE BY HELICOPTER. E.B. CROSON, U.S. NAVAL MISSILE CENTER, POINT MUGU, CALIF. JULY 1966. REPORT NO. TM-66-33.
NR-G9-GH-000-01225	AEROMAGNETIC SURVEY OF TAMPA BANK. U.S. NAVAL OCEANOGRAPHIC OFFICE. LEONARD S. DENNIS AND PATRICK T. TAYLOR, U.S. NAVAL OCEANOGRAPHIC OFFICE, WASHINGTON, D.C. DEC. 1967. REPORT NO. IR-67-89.
NR-G9-00-000-01231	SEA CLUTTER MEASUREMENTS BY A FOUR-FREQUENCY RADAR. M.B. LAING, NAVAL RESEARCH LAB., WASHINGTON, D.C. PRESENTED AT EASCON 69, IEEE ELECTRONICS AND AEROSPACE SYSTEMS CONVENTION, WASHINGTON, D.C. OCT. 1969, RECORD, PP.286-293.

MULTISUBJECT

**MULTISUBJECT**

**SECTION 04 MISSION SCREENING AND**

**SUMMARY REPORTS**

**MISSION SCREENING AND SUMMARY REPORTS - MULTISUBJECT**

<b>ACCESSION NUMBER</b>	<b>DESCRIPTION</b>
NR-H4-FH-998-A0107	MISSION 107, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 155 AND 198
NR-H4-GJ-998-A0121	MISSION 121, EARTH RESOURCES SCREENING AND INDEXING REPORT. SITES 124, 125, 142, 151, 152, 188 AND 215
NR-H4-EJ-998-C0139	MISSION 139, EARTH RESOURCES AIRCRAFT PROGRAM - SURFACE WEATHER OBSERVATIONS, SITES 242, 211, 243, 020, 220, AND 029. NASA/MSC, SPACEFLIGHT METEOROLOGY GROUP, HOUSTON, TEXAS. JULY 20-31, 1970.

**MULTISUBJECT**

**SECTION 07 SUMMARY REPORTS**

SUMMARY REPORTS - MULTISUBJECT

ACCESSION NUMBER	DESCRIPTION
NR-H7-EJ-998-00076	PRINCETON UNIVERSITY CONFERENCE, 97TH, ON AEROSPACE METHODS FOR REVEALING AND EVALUATING EARTH'S RESOURCES, PRINCETON, N.J., SEPT. 1969, PROCEEDINGS. (PRINCETON UNIVERSITY CONFERENCE, 1970. J. PRESTON LAYTON, EDITOR, DEPT. OF AEROSPACE AND MECHANICAL SCIENCE, PRINCETON UNIVERSITY, PRINCETON, N.J. JUNE 1970.

**MULTISUBJECT**

**SECTION 08 SUBJECT RELATED DOCUMENTS**

SUBJECT RELATED DOCUMENTS - MULTISUBJECT

ACCESSION NUMBER

DESCRIPTION

- NR-H8-00-000-00684 OPERATIONAL ENVIRONMENTAL SATELLITE SYSTEM. DR. CLIFFORD A. SPOHN, NATIONAL ENVIRONMENTAL SATELLITE CENTER, ESSA, SUITLAND, MD. PRESENTED AT THE AIAA ANNUAL MEETING AND TECHNICAL DISPLAY, 5TH, PHILADELPHIA, PA., OCT. 1968, PAPER NO. 68-1092. A68-44989.
- NR-H8-00-000-00685 THE INFLUENCE OF HAZE ON INFRARED RADIATION MEASUREMENTS DETECTED BY SPACE VEHICLES. WILFORD ZDUNKOWSKI, DONALD HENDERSON, AND J. VERN HALES, UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH AND INTERMOUNTAIN WEATHER, INC., SALT LAKE CITY, UTAH. PUBLISHED IN TELLUS, VOL. 17, MAY 1965. PP.147-165.
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**SECTION 09      TECHNICAL REPORTS**

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# **PROGRAM DOCUMENTS**

## **PROGRAM DOCUMENTS**

### **SECTION 06 - DIVISION BIBLIOGRAPHY**

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ACCESSION NUMBER	DESCRIPTION
NR-P6-GJ-000-00356	EFFECTS OF ORGANIC MATTER ON THE MULTISPECTRAL PROPERTIES OF SOILS. M.F. BAUGARDNER, C.J. JOHANSEN, ET AL., PURDUE UNIVERSITY, WEST LAFAYETTE, INDIANA. LARS INFORMATION NOTE 030570. AGRICULTURAL EXPERIMENT STATION JOURNAL NO. 3939.
NR-P6-00-000-00357	A STUDY OF THE ECONOMIC BENEFITS AND IMPLICATIONS OF SPACE STATION OPERATIONS. VOL. 1, SUMMARY, VOL. 2, COST/BENEFIT METHODOLOGY, VOL. 3, CASE STUDIES. ALLAN H. MUIR, PLANNING RESEARCH CORP., WASHINGTON, D.C. REPORT NO. PRC R-1218. CONTRACT NUMBER NASW-1604. JANUARY 1968.

## **PART IV SATELLITE DATA**

**SECTION 51- APOLLO FILM AND DOCUMENT  
DATA FILE**

APOLLO FILM AND DOCUMENT DATA FILE

ACCESSION NUMBER	DESCRIPTION
NR-51-00-000-00302	APOLLO 12 MISSION REPORT. REPORT NO. MSC-01855. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. MARCH 1970.
NR-51-00-000-00304	ANALYSIS OF APOLLO AS-501 MISSION EARTH PHOTOGRAPHY. NASA TECHNICAL MEMORANDUM X-58015. COMPILED BY JOHN E. DORNBACH, MANNED SPACECRAFT CENTER, HOUSTON, TEXAS. FEBRUARY 1968. STAR N68-36467.

**SECTION 52 - EARTH RESOURCES  
TECHNOLOGICAL SATELLITES (ERTS)**

EARTH RESOURCES TECHNOLOGICAL SATELLITES (ERTS)

ACCESSION NUMBER	DESCRIPTION
NR-52-00-000-00027	MANAGEMENT, PROCESSING AND DISSEMINATION OF SENSORY DATA FOR THE EARTH RESOURCES TECHNOLOGY SATELLITE. EARL S. MERRITT, WALTER C. AHLIN, ALLIED RESEARCH ASSOCIATES, INC., CONCORD, MASS. DEC. 1969. REPORT NO. NASA CR-109081 REPT-9G45-43. CONTRACT NO. NAS5-10343. STAR N70-21089. MICROFICHE COPY.
NR-52-00-000-00028	EARTH RESOURCES NATIONAL DATA PROCESSING CENTER - WHY, WHAT, WHEN, AND HOW MUCH. F. HART AND N. GUTLOVE, FAIRCHILD SPACE AND DEFENSE SYSTEMS, SYOSSET, LONG ISLAND, N.Y. PRESENTED AT THE AIAA EARTH RESOURCES OBSERVATIONS AND INFORMATION SYSTEM MEETING, ANNAPOLIS, MARYLAND, MARCH 1970. PAPER 70-324. A70-22863.

## **SECTION 53 - SKY LAB**

SKY LAB

ACCESSION NUMBER	DESCRIPTION
NR-53-00-000-00015	REMOTE SENSING OF EARTH RESOURCES FROM AN EARLY MANNED SPACE STATION. SOL ZWIRN, MC DONNELL DOUGLAS ASTRONAUTICS CO., HUNTINGTON BEACH, CALIF. PRESENTED AT THE SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS, ANNUAL TECHNICAL SYMPOSIUM AND EXHIBORAMA, 14TH, SAN FRANCISCO, CALIF., AUG. 1969. PUBLISHED IN PHOTO-OPTICAL INSTRUMENTATION APPLICATIONS AND THEORY, SOCIETY OF PHOTO-OPTICAL INSTRUMENTATION ENGINEERS PROCEEDINGS, VOL. 2, AUG. 1969. PP.175-187. CONTRACT NO. NAS8-21064. A70-23760.

## **PART V - ELECTRONIC DATA**

## **SECTION 75 - CENTRAL METRIC DATA FILE**

## CENTRAL METRIC DATA FILE

ACCESSION NUMBER	DATE	DATA SOURCE	MEDIUM	REFL. NO.	REMARKS
NR-75-EJ-220-01545 11 SEP 70	MISSION 141	ANALOG MAGT			SITE 220 FLT 2 AIRCRAFT RB 57F START 17 00 STOP 18 38
NR-75-GJ-217-01546 14 SEP 70	MISSION 141	ANALOG MAGT	1 OF 1		SITE 217 FLT 3 AIRCRAFT RB 57F START 16 01 45 STOP 19 52 00
NR-75-GJ-167-01547 19 SEP 70	MISSION 144	ANALOG MAGT	1 OF 1		SITE 167 FLT 1 AIRCRAFT RB 57F START 13 01 00 STOP 16 20 00
NR-75-GJ-244-01548 22 SEP 70	MISSION 144	ANALOG MAGT	1 OF 2		SITE 244 FLT 2 AIRCRAFT RB 57F START 10 01 00 STOP 16 31 26
NR-75-GJ-244-01549 22 SEP 70	MISSION 144	ANALOG MAGT	2 OF 2		SITE 244 FLT 2 AIRCRAFT RB 57F START 16 31 20 STOP 18 00
NR-75-GJ-244-01550 23 SEP 70	MISSION 144	ANALOG MAGT	1 OF 2		SITE 244 FLT 3 AIRCRAFT RB 57F START 10 01 00 STOP 16 14 30
NR-75-GJ-244-01551 23 SEP 70	MISSION 144	ANALOG MAGT	2 OF 2		SITE 244 FLT 3 AIRCRAFT RB 57F START 16 13 30 STOP 17 25 00
NR-75-GJ-244-01552 24 SEP 70	MISSION 144	ANALOG MAGT	1 OF 2		SITE 244 FLT 4 AIRCRAFT RB 57F START 10 06 00 STOP 16 06 42
NR-75-GJ-244-01553 24 SEP 70	MISSION 144	ANALOG MAGT			SITE 244 FLT 4 AIRCRAFT RB 57F START 16 06 42 STOP 17 06 00
NR-75-GJ-244-01554 25 SEP 70	MISSION 144	ANALOG MAGT	1 OF 2		SITE 244 FLT 6 AIRCRAFT RB 57F START 10 00 00 STOP 16 46 00
NR-75-GJ-244-01555 25 SEP 70	MISSION 144	ANALOG MAGT	2 OF 2		SITE 244 FLT 6 AIRCRAFT RB 57F START 16 40 00 STOP 17 16 00
NR-75-EJ-029-01556 06 OCT 70	MISSION 145	ANALOG MAGT	1 OF 1		SITE 029 FLT 1 AIRCRAFT RB 57F START 10 00 00 STOP 18 05 00
NR-75-00-000-01557 07 OCT 70	MISSION 145	ANALOG MAGT	1 OF 1		SITE 1557 PCF 2 AIRCRAFT RB 57F START 10 00 00 STOP 19 15 00